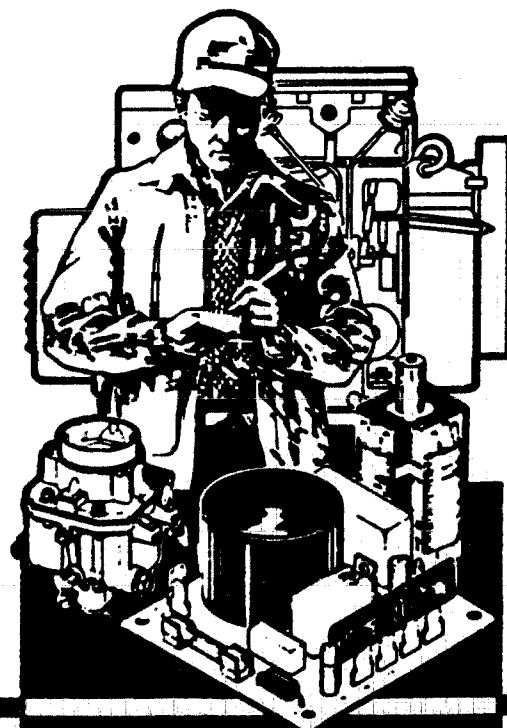


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Onan

Parts Manual SKB GenSet



Onan Service Parts

946-0222
3-92 (Spec A B)
Replaces 11-85 (Spec A)
Printed in U.S.A.

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Introduction

This Parts Manual applies to the Standard Generator Sets listed below. The illustrations are arranged in groups of related items, and each part or assembly is identified by a Reference Number. All parts illustrated are typical, and unless otherwise mentioned in the description column of the parts lists, the parts are interchangeable between models.

These typical illustrations are subject to change and reflect only the latest replacement parts arrangement. The Right and Left side of the Set are determined by FACING the engine end (Front) of the Set.

Set Data Table

MODEL IDENTIFICATION	KW RATING	RPM RATING	BATTERY VOLTAGE
55.0 SKB - */# £	50,000 WATTS	3600 RPM	12 VDC

Electrical Data Table

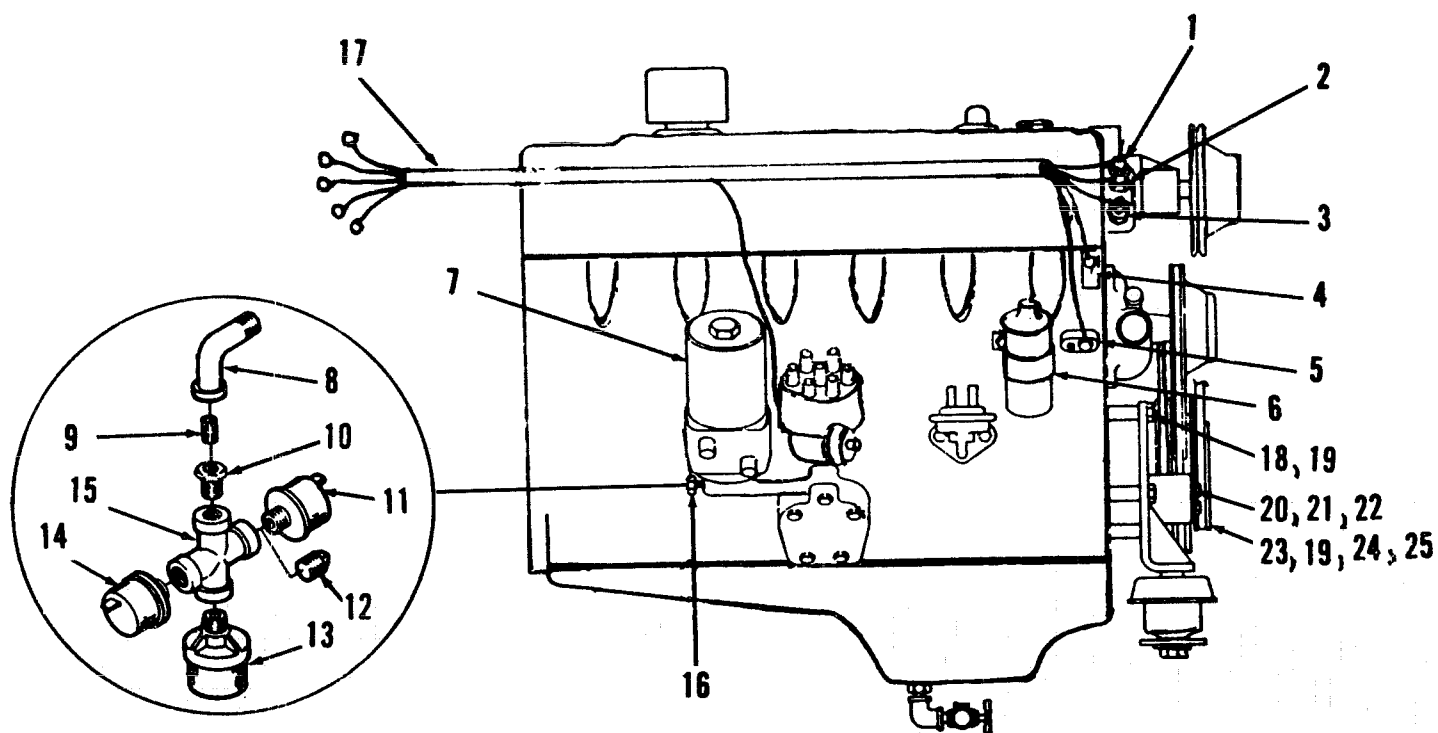
*VOLTAGE CODES	VOLTS	HERTZ	WIRE	PHASE	NOTES
15	120/240	60	12	1	+
15	120/208	60	12	3	+
	120/240				
	127/220				
	139/240				
	240/416				
	254/440				
	277/480				

- * - Voltage codes follow model letters designations.
- # - Specification number: number 1 is standard, all others indicate variations.
- £ - Specification letter: letter advances (A to B, B to C, etc.) with major manufacturing changes.
- + - These generators are reconnectable, refer to Operator's manual for wiring data.

Engine Replacement Parts

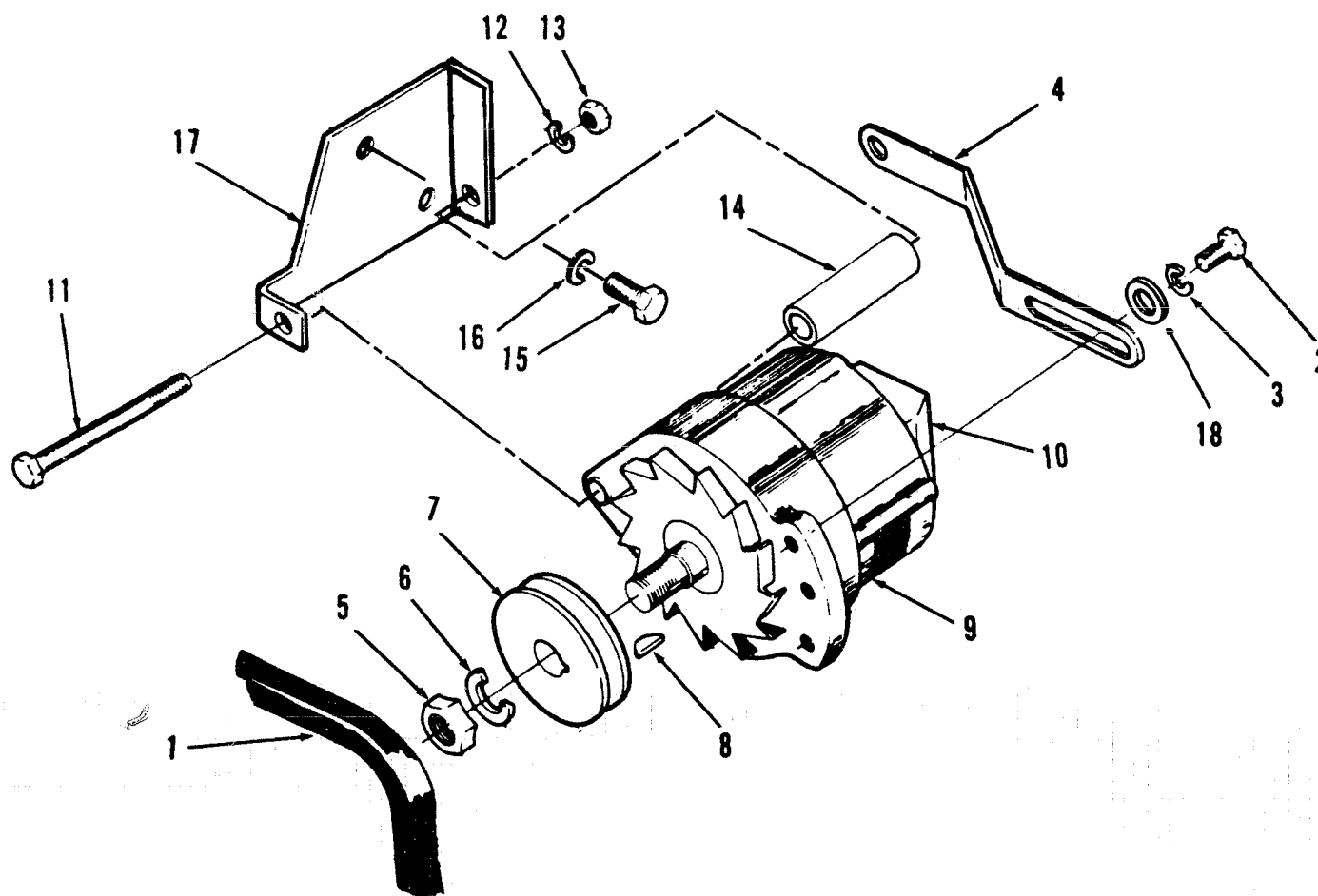
All engine replacement parts must be ordered from the engine manufacturer, except those modified or added by Onan. When ordering engine parts, refer to the manufacturer's nameplate and supply the Model, Spec, Serial numbers and other available information. Refer to the engine manufacturer's manuals for your nearest authorized distributor or parts center; or contact the Onan distributor from whom you purchased this set for assistance in ordering replacement parts.

Miscellaneous Engine Parts Left Side



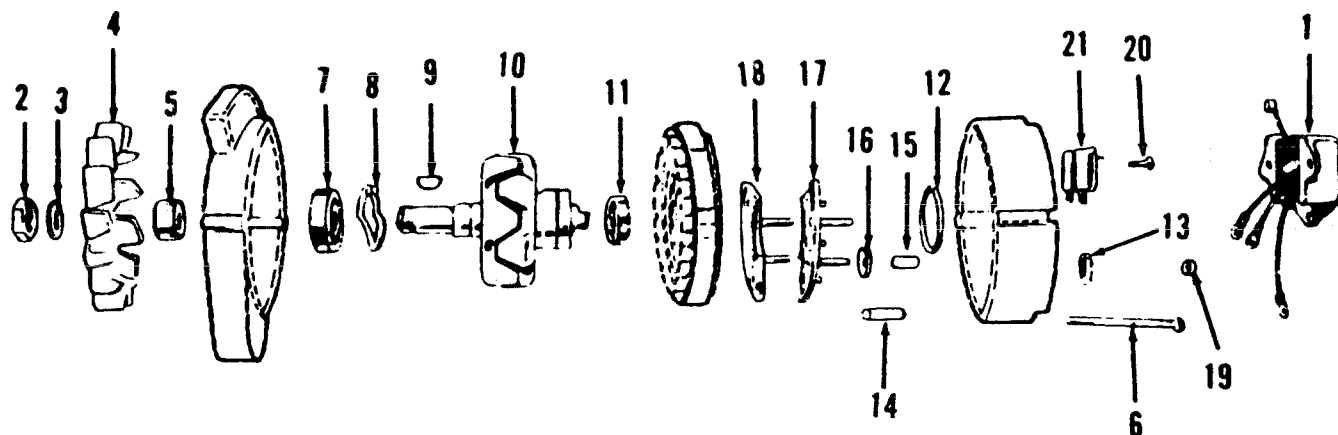
Ref No.	Part No.	Qty Used	Part Description
1	193-0318	1	Sender, Temperature - Engine (E2)
2	309-0436	1	Switch, Thermostatic (Pre-Alarm) (S6)
3	309-0437	1	Switch, Thermostatic (Shutdown) (S2)
4	332-1292	1	Terminal & Bracket
5	309-0269	1	Switch, Thermostatic - Low Engine Temperature (S4)
6	160-1045	1	Bracket, Mounting - Ignition Coil
7	122-0488	1	Filter, Oil
8	505-0011	1	Elbow, Pipe - Street, 90 DEG
9	505-0098	1	Nipple, Pipe - Close
10	505-0007	1	Bushing, Reducer - Hex
11	309-0272	1	Switch, Pressure - Oil (Pre-Alarm) (S5)
12	505-0057	1	Plug, Pipe - Square Head
13	309-0169	1	Switch, Pressure - Oil (Shutdown) (S1)
14	193-0244	1	Sender, Pressure - Oil (E1)
15	505-0763	1	Cross, Pipe
16	505-0017	1	Bushing, Reducer - Hex
17	338-1884	1	Harness, Wiring - Engine to Control
18	800-0035	3	Screw, Cap - Hex Head (5/16-18 x 2-1/2")
19	850-0045	6	Washer, Lock - Spring (5/16")
20	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1")
21	850-0050	2	Washer, Lock - Spring (3/8")
22	526-0013	1	Washer, Flat (3/8")
23	800-0031	3	Screw, Cap - Hex Head (5/16-18 x 1-1/2")
24	512-0165	1	Pulley, Crankshaft
25	130-2652	1	Spacer

Alternator (Spec A)



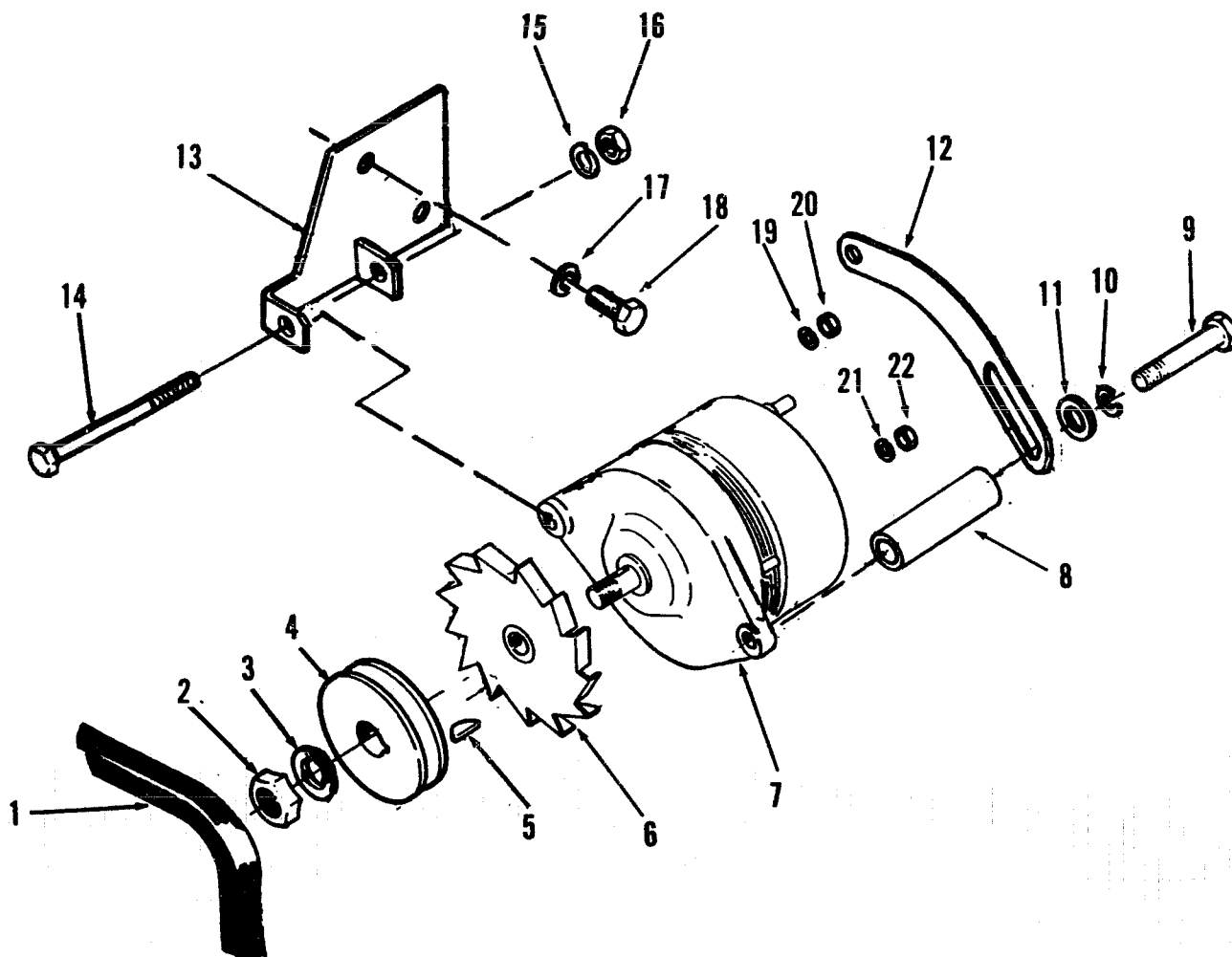
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	511-0147-13	1	Belt, Drive	10	191-1390	1	Regulator, Voltage - 12 VDC
2	800-0028	1	Screw, Cap - Hex Head (5/16-18 x 1")	11	800-0108	1	Screw, Cap - Hex Head (1/2-13 x 6-1/2" (Spec A)
3	850-0045	1	Washer, Lock - Spring (5/16")	12	850-0060	1	Washer, Lock - Spring
4	191-1654	1	Arm, Adjusting - Alternator	13	862-0016	1	Nut, Hex (1/2-13)
5	191-0941	1	Nut, Hex (5/8-18 NF-2A)	14	370-4013	1	Spacer, Sleeve
6	850-0070	1	Washer, Lock - Spring (5/8")	15	800-0071	2	Screw, Cap - Hex Head (7/16-14 x 1")
7	191-0623	1	Pulley	16	850-0055	2	Washer, Lock - Spring (7/16")
8	515-0093	1	Key, Woodruff (#5)	17	191-1652	1	Bracket, Mounting - Alternator
9	191-1388	1	Alternator - 12 VDC (Includes Nut, Key & Regulator)	18	526-0113	1	Washer, Flat (5/16")

Alternator Components



Ref No.	Part No.	Qty Used	Part Description
	191-1388		Alternator - 12 VDC
1	191-1390	1	Regulator, Voltage - 12 VDC
2	191-0941	1	Nut, Hex (5/8-18)
3	850-0070	1	Washer, Lock - Spring (5/8")
4	191-0943	1	Fan, Cooling
5	191-1693	1	Spacer - Fan
6	191-0963	4	Bolt - Hex Washer Head (#10-32 x 2-55/64")
7	191-1722	1	Bearing, Ball - Front
8	191-0948	1	Retainer, Bearing - Front
9	515-0093	1	Key, Woodruff (#5)
10	191-0950	1	Rotor, Alternator
11	191-1710	1	Bearing, Ball - Rear
12	191-1711	1	Retainer, Bearing - Rear
13	191-1703	4	Insulator - Washer (1/4" ID x 3/4" OD x 1/8" THK)
14	191-1702	2	Insulator, Sleeve (#10 ID x 1/3" LG)
15	191-0954	4	Insulator, Sleeve (#10 ID x 19/32" LG)
16	191-0953	4	Insulator - Washer (#10 ID x 3/4" OD x 1/16" THK)
17	191-0661	1	Diode Assembly - Positive
18	191-0662	1	Diode Assembly - Negative
19	862-0001	2	Nut, Hex (1/4-20)
20	191-0957	2	Screw, Tapping - Hex Washer Head (#8 x 1/2")
21	191-1522	1	Brush Assembly

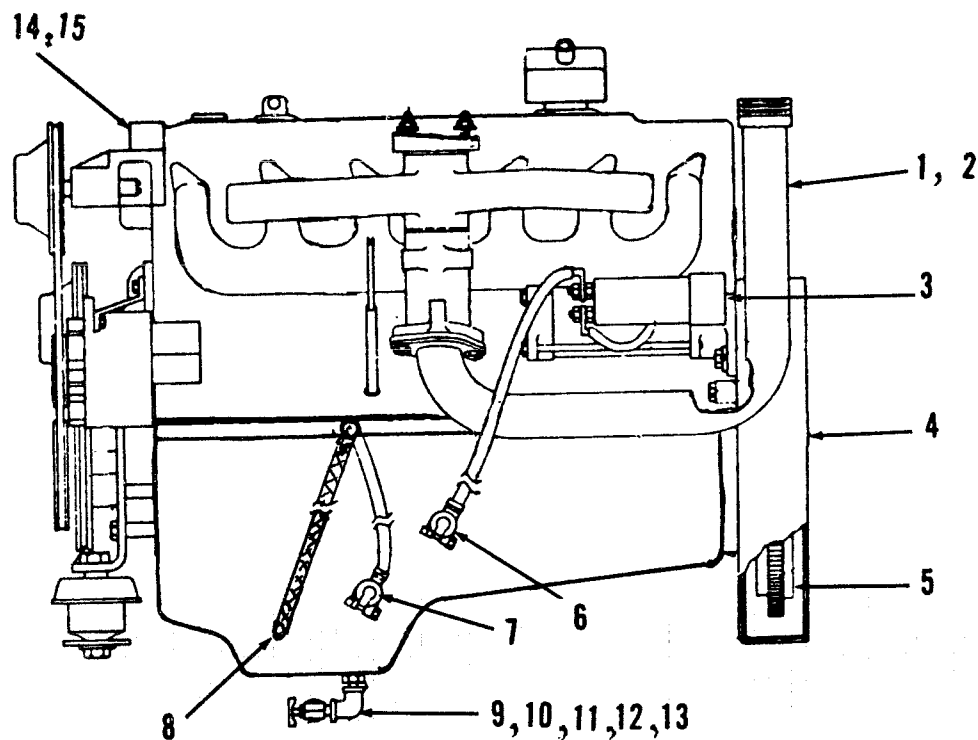
Alternator (Spec B)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	511-0147-13	1	Belt, Drive	21	191-2045	1	Arm, Adjusting Alternator
2	870-2161	1	Nut, Hex (M16)	13	191-2046	1	Bracket, Mounting
3	851-0039	1	Washer, Spring	14	870-2056	1	Screw, Hex Head (M10 x 1.5 x 80mm)
4	191-2032	1	Pulley	15	850-2010	1	Washer, Lock (M10)
5	515-0093	1	Key, Woodruff (#5)	16	870-2056	1	Nut, Hex (M10)
6	191-1981	1	Fan, Alternator	17	800-0071	3	Screw, Hex Head (7/16-14 x 1)
7	191-1983-01	1	Alternator	18	850-0055	3	Washer, Lock (7/16)
8	191-2036	1	Spacer	19	850-2008	1	Washer, Lock (M8)
9	800-2066	1	Screw, Hex Head (M8 x 1.25 x 65mm)	20	860-2008	1	Nut, Hex (M8)
10	850-2008	1	Washer, Lock (M8)	21	850-2005	2	Washer, Lock (M5)
11	526-2106	1	Washer, Flat (M8)	22	860-2006	2	Nut, Hex (M5)

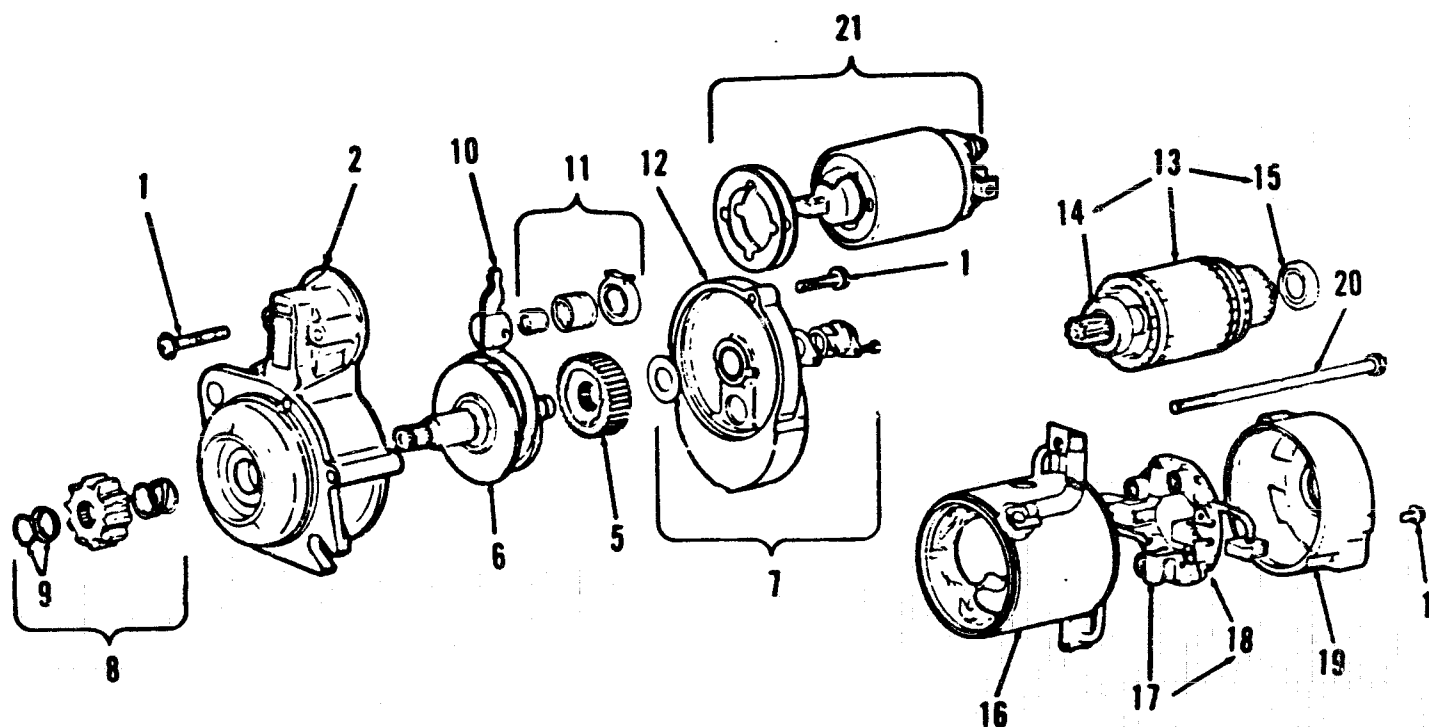
Miscellaneous Engine Parts

Right Side



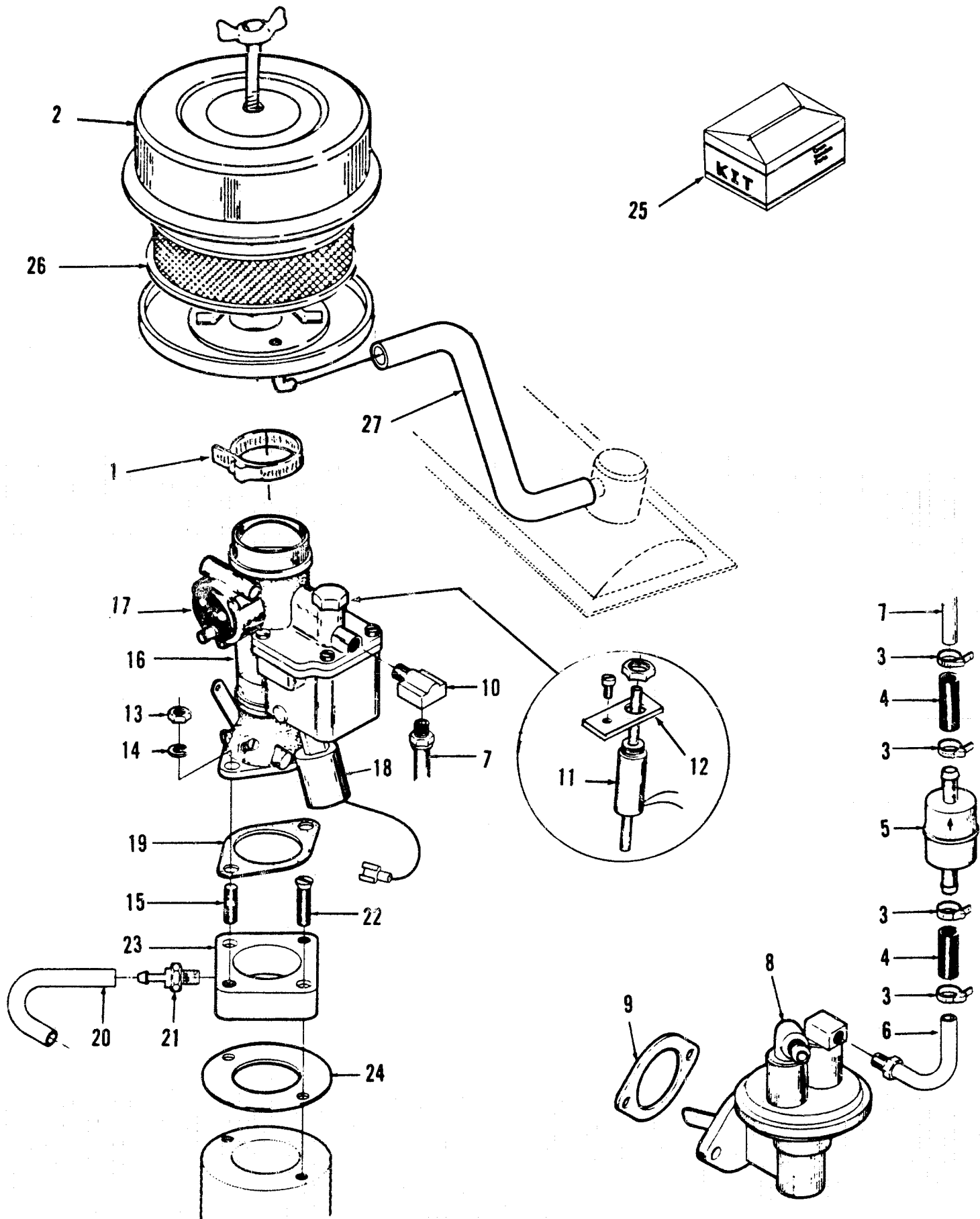
Ref No.	Part No.	Qty Used	Part Description
1	154-2596	1	Tube, Exhaust
2	155-1599	1	Gasket, Mounting - Exhaust Tube
3	191-1394	1	Starter - 12 VDC (See Separate Page for Components)
4	101-0741	1	Housing, Flywheel
5	104-1600	1	Flywheel (Includes Ring Gear)
6	416-0643	1	Cable, Battery - Positive
7	416-0049	1	Cable, Battery - Negative
8	337-0090	1	Strap, Electrical - Ground
9	503-0131	1	Clamp, Hose
10	503-0262	1	Hose, Rubber
11	504-0092	1	Valve, Shutoff
12	505-0039	1	Elbow, Pipe - 90 DEG
13	102-0652	1	Adapter, Pipe - Hex (1/2-20 UNF x 3/8-18 NPT)
14	309-0317	1	Thermostat
15	309-0318	1	Gasket, Mounting - Thermostat

Starter Components



Ref No.	Part No.	Qty Used	Part Description
	191-1394		Starter - 12 VDC
1	191-1450	1	Set, Screw
2	191-1449	1	Bracket, Starter - Front (Includes Bearing)
5	191-1446	1	Gear
6	191-1445	1	Clutch
7	191-1444	1	Set, Cover (Includes Cover Plate, Washers, Snap Ring and a Stopper Set)
8	191-1443	1	Set, Pinon (Includes Pinon, Spring and a Stopper Set)
9	191-1442	1	Set, Stopper (Includes Stopper and Ring)
10	191-1441	1	Lever Assembly
11	191-1440	1	Set, Spring
12	191-1439	1	Bracket Assembly - Center
13	191-1438	1	Armature, Starter - 12 VDC (Includes Bearings)
14	191-1437	1	Bearing, Sleeve - Center
15	191-1436	1	Bearing, Sleeve - Rear
16	191-1435	1	Yoke Assembly - 12 VDC (Includes Pole Shoes, Field Coil, Positive Brushes)
17	191-1434	1	Holder, Brush - 12 VDC (Includes Negative Brushes)
18	191-1433	4	Spring, Brush
19	191-1432	1	Bracket - Rear
20	191-1431	1	Set, Bolt
21	191-1430	1	Switch, Solenoid - 12 VDC

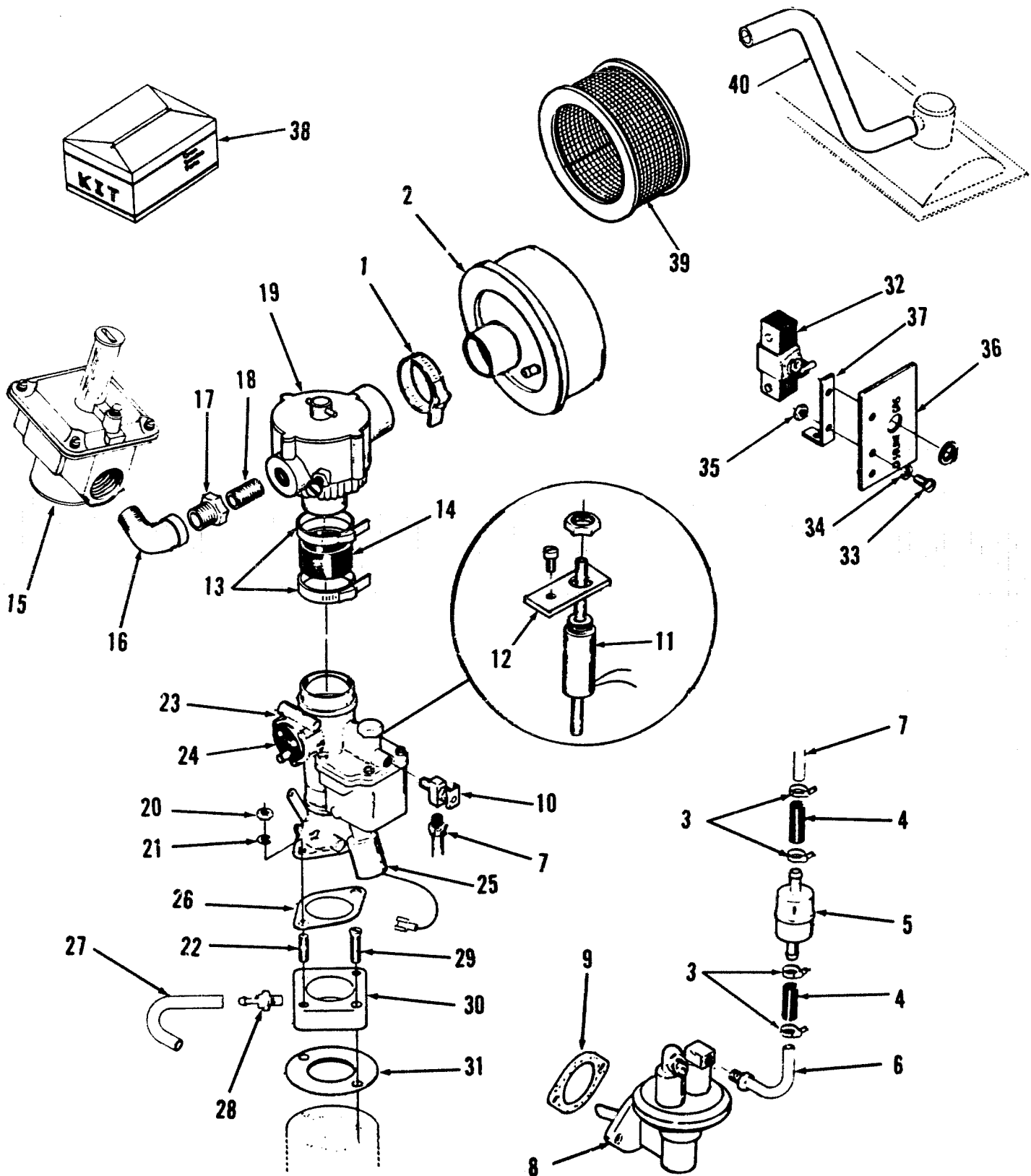
Fuel System Gasoline



Fuel System Gasoline

Ref No.	Part No.	Qty Used	Part Description
1	503-0465	1	Clamp, Hose
2	140-1583	1	Air Cleaner (Includes Element)
3	503-0685	4	Clamp, Hose
4	503-0883	2	Hose, Rubber
5	149-1569	1	Filter, Fuel
6	149-1573	1	Line, Fuel
7	149-1558	1	Line, Fuel
8	149-1568	1	Pump, Fuel
9	149-0736	1	Gasket, Mounting - Fuel Pump
10	502-0004	1	Elbow, Pipe - 90 DEG, Brass
11	307-2017	1	Solenoid - 12 VDC (Choke Closing)
12	307-2014	1	Plate, Mounting - Solenoid
13	104-0091	2	Nut, Hex (3/8-24)
14	850-0050	2	Washer, Lock - Spring (3/8")
15	520-0311	2	Stud (3/8-24 x 3/8-16 x 1-5/8"LG)
16	141-0854	1	Carburetor, Gasoline (Includes Choke Heater & Fuel Shutoff Solenoid)
17	141-0911	1	Cover, Choke with Heater & Spring
18	141-0850	1	Solenoid - 12 VDC (Fuel Shutoff)
19	154-0133	1	Gasket, Mounting - Carburetor
20	503-0871	1	Hose, Rubber
21	502-0582	1	Adapter, Pipe to Hose
22	814-0200	2	Screw, Machine - Flat Head (3/8-16 x 1-1/4")
23	148-0800	1	Adapter - Carburetor to Manifold
24	148-0775	1	Gasket, Mounting - Adapter
25	141-0947	1	Kit, Repair - Carburetor
26	140-1089	1	Element, Air Cleaner
27	503-0891	1	Hose

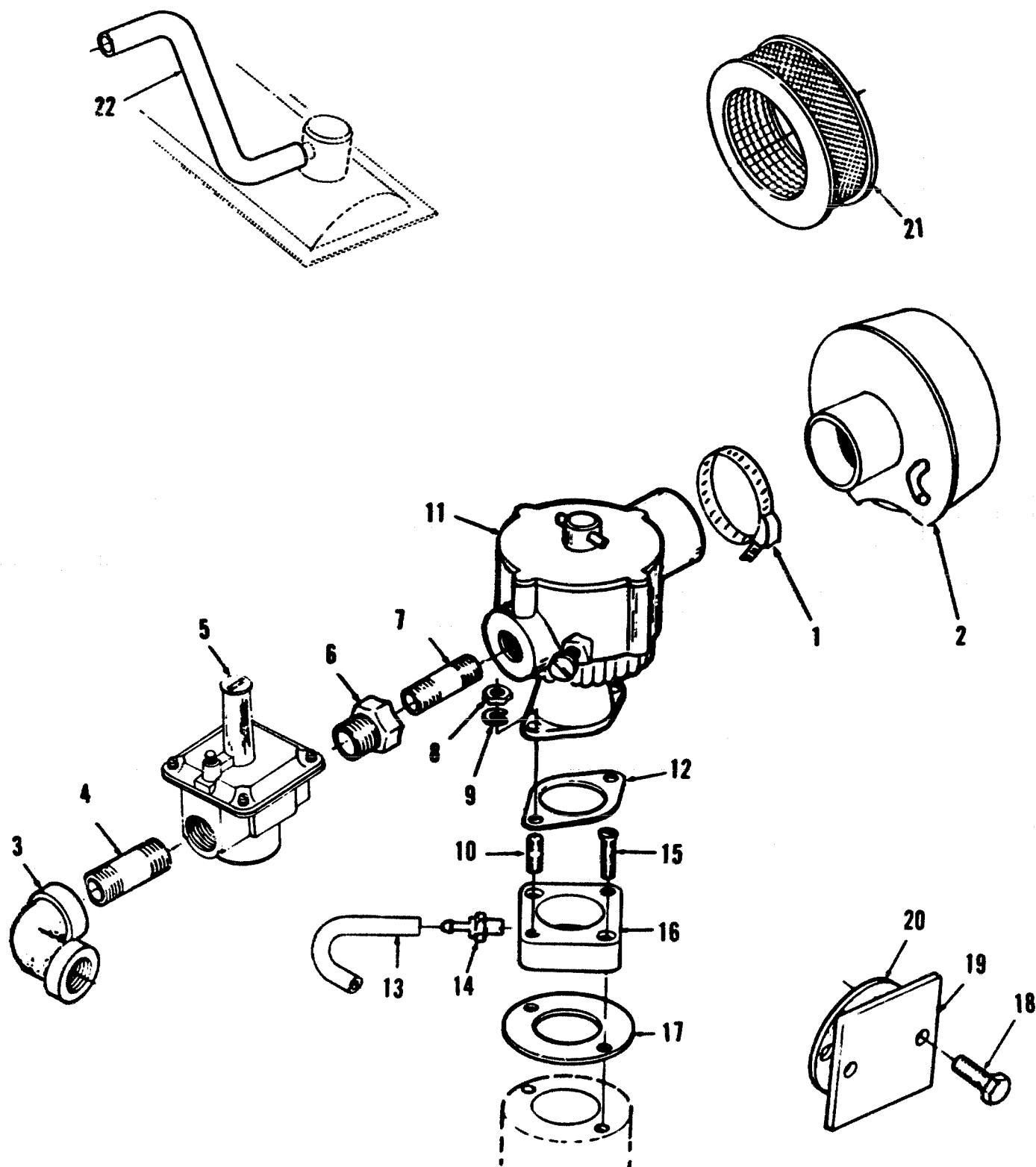
Dual Fuel System Gasoline & Natural Gas



Dual Fuel System Gasoline & Natural Gas

Ref No.	Part No.	Qty Used	Part Description
1	503-0465	1	Clamp, Hose
2	140-1962	1	Air Cleaner (Includes Element)
3	503-0685	4	Clamp, Hose
4	503-0883	2	Hose, Rubber
5	149-1569	1	Filter, Fuel
6	149-1573	1	Line, Fuel
7	149-1558	1	Line, Fuel
8	149-1568	1	Pump, Fuel
9	149-0736	1	Gasket, Mounting - Fuel Pump
10	504-0085	1	Valve, Shutoff
11	307-2017	1	Solenoid - 12 VDC (Choke Closing)
12	307-2014	1	Plate, Mounting - Solenoid
13	503-0465	2	Clamp, Hose
14	503-0542	1	Hose, Rubber
15	148-0597	1	Regulator, Pressure - Gas
16	505-0051	1	Elbow, Pipe - Street, 90 DEG
17	505-0021	1	Bushing, Reducer - Hex
18	505-0100	1	Nipple, Pipe - Close
19	148-0691	1	Mixer, Gas Vapor
20	104-0091	2	Nut, Hex (3/8-24)
21	850-0050	2	Washer, Lock - Spring (3/8")
22	520-0311	2	Stud (3/8-24 x 3/8-16 x 1-5/8"LG)
23	141-0854	1	Carburetor, Gasoline (Includes Choke Heater & Fuel Shutoff Solenoid)
24	141-0911	1	Cover, Choke with Heater & Spring
25	141-0850	1	Solenoid - 12 VDC (Fuel Shutoff)
26	154-0133	1	Gasket, Mounting - Carburetor
27	503-0871	1	Hose, Rubber
28	502-0582	1	Adapter, Pipe to Hose
29	814-0200	2	Screw, Machine - Flat Head (3/8-16 x 1-1/4")
30	148-0800	1	Adapter - Carburetor to Manifold
31	148-0775	1	Gasket, Mounting - Adapter
32	308-0068	1	Switch, Toggle - Fuel Selection
33	813-0100	2	Screw, Machine - Round Head (#10-32 x 1/2")
34	850-0030	2	Washer, Lock - Spring (#10)
35	871-0010	2	Nut, Hex (#10-32)
36	308-0150	1	Plate, Mounting
37	306-0155	1	Bracket, Mounting
38	141-0947	1	Kit, Repair - Carburetor
39	140-2065	1	Element, Air Cleaner
40	503-0891	1	Hose

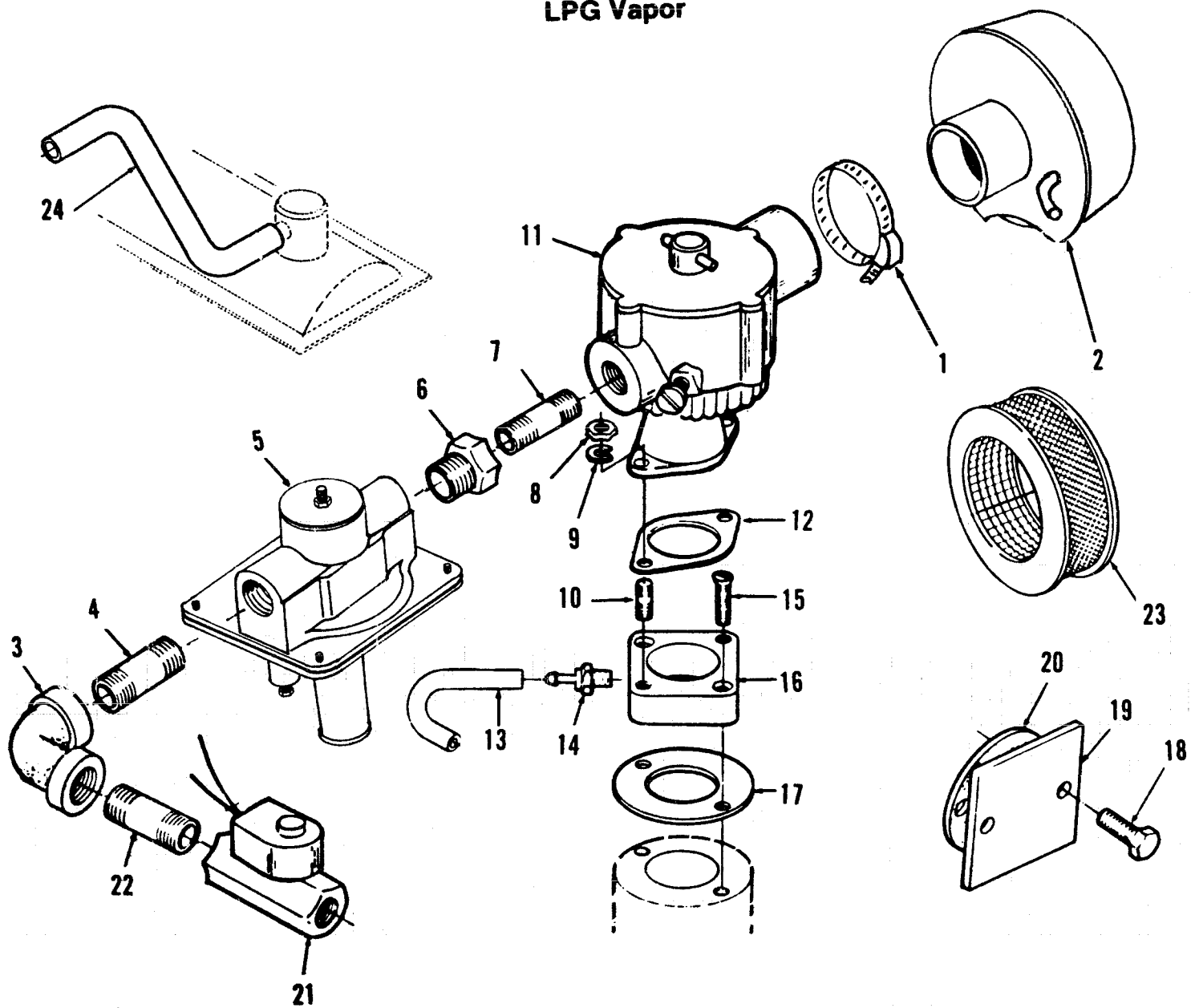
Fuel System Natural Gas



Fuel System Natural Gas

Ref No.	Part No.	Qty Used	Part Description
1	503-0465	1	Clamp, Hose
2	140-1592	1	Air Cleaner (Includes Element)
3	505-0132	1	Elbow, Pipe - 90 DEG
4	505-0102	1	Nipple, Pipe - Close
5	148-0597	1	Regulator, Pressure - Natural Gas
6	505-0021	1	Bushing, Reducer - Hex
7	505-0100	1	Nipple, Pipe - Close
8	104-0091	2	Nut, Hex (3/8-24)
9	850-0050	2	Washer, Lock - Spring (3/8")
10	520-0311	2	Stud (3/8-24 x 3/8-16 x 1-5/8"LG)
11	148-0792	1	Carburetor, Gas Vapor
12	154-0133	1	Gasket, Mounting - Carburetor
13	503-0871	1	Hose, Rubber
14	502-0582	1	Adapter, Pipe to Hose
15	814-0200	2	Screw, Machine - Flat Head (3/8-16 x 1-1/4")
16	148-0800	1	Adapter - Carburetor to Manifold
17	148-0775	1	Gasket, Mounting - Adapter
18	821-0017	2	Screw, Self-locking - Hex Washer Head (5/16-18 x 1/2")
19	149-0638	1	Cover - Fuel Pump Mtg Hole
20	149-0736	1	Gasket, Mounting - Fuel Pump
21	140-1089	1	Element, Air Cleaner
22	503-0891	1	Hose

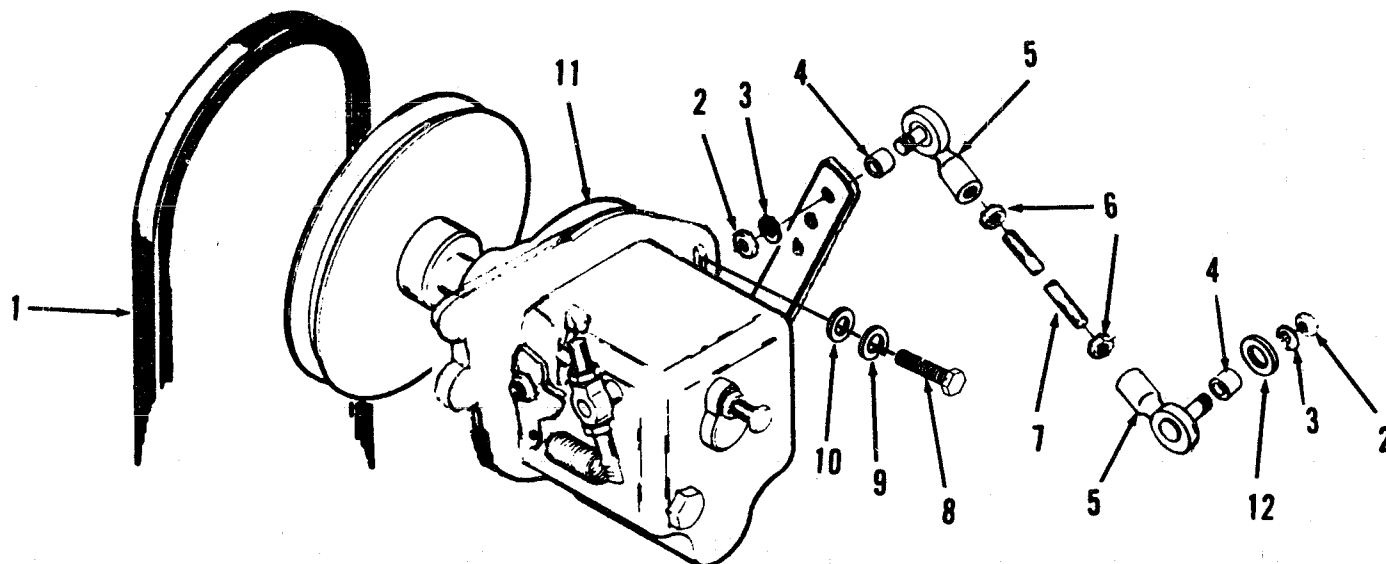
Fuel System LPG Vapor



Fuel System LPG Vapor

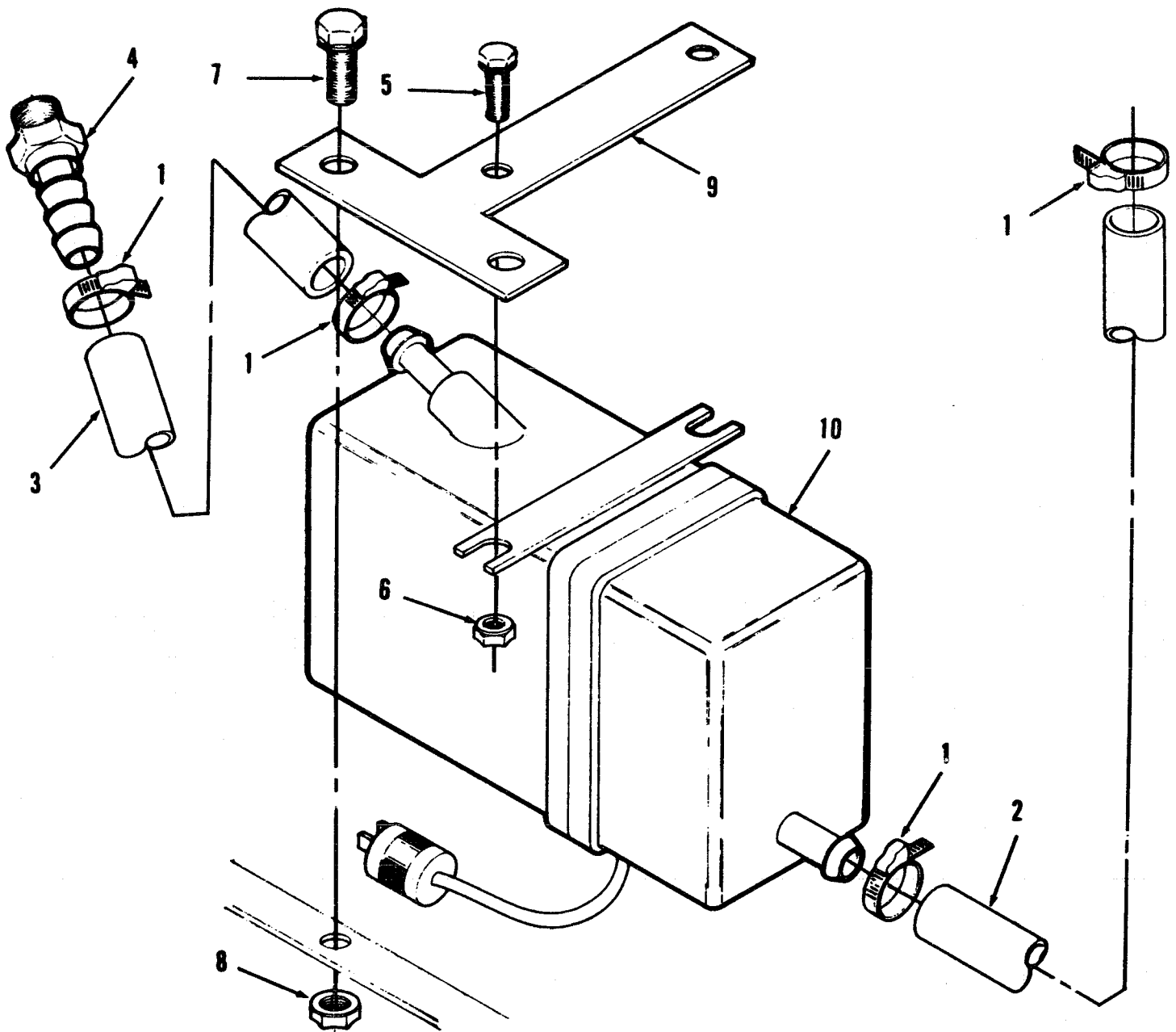
Ref No.	Part No.	Qty Used	Part Description
1	503-0465	1	Clamp, Hose
2	140-1592	1	Air Cleaner (Includes Element)
3	505-0132	1	Elbow, Pipe - 90 DEG
4	505-0102	1	Nipple, Pipe - Close
5	148-0637	1	Regulator, Pressure - LPG Vapor
6	505-0021	1	Bushing, Reducer - Hex
7	505-0100	1	Nipple, Pipe - Close
8	104-0091	2	Nut, Hex (3/8-24)
9	850-0050	2	Washer, Lock - Spring (3/8")
10	520-0311	2	Stud (3/8-24 x 3/8-16 x 1-5/8"LG)
11	148-0792	1	Carburetor, Gas Vapor
12	154-0133	1	Gasket, Mounting - Carburetor
13	503-0871	1	Hose, Rubber
14	502-0582	1	Adapter, Pipe to Hose
15	814-0200	2	Screw, Machine - Flat Head (3/8-16 x 1-1/4")
16	148-0800	1	Adapter - Carburetor to Manifold
17	148-0775	1	Gasket, Mounting - Adapter
18	821-0017	2	Screw, Self-locking - Hex Washer Head (5/16-18 x 1/2")
19	149-0638	1	Cover - Fuel Pump Mtg Hole
20	149-0736	1	Gasket, Mounting - Fuel Pump
21	307-0312	1	Valve, Solenoid - 12 VDC
22	505-0102	1	Nipple, Pipe - Close
23	140-1089	1	Element, Air Cleaner
24	503-0891	1	Hose

Governor - Mechanical



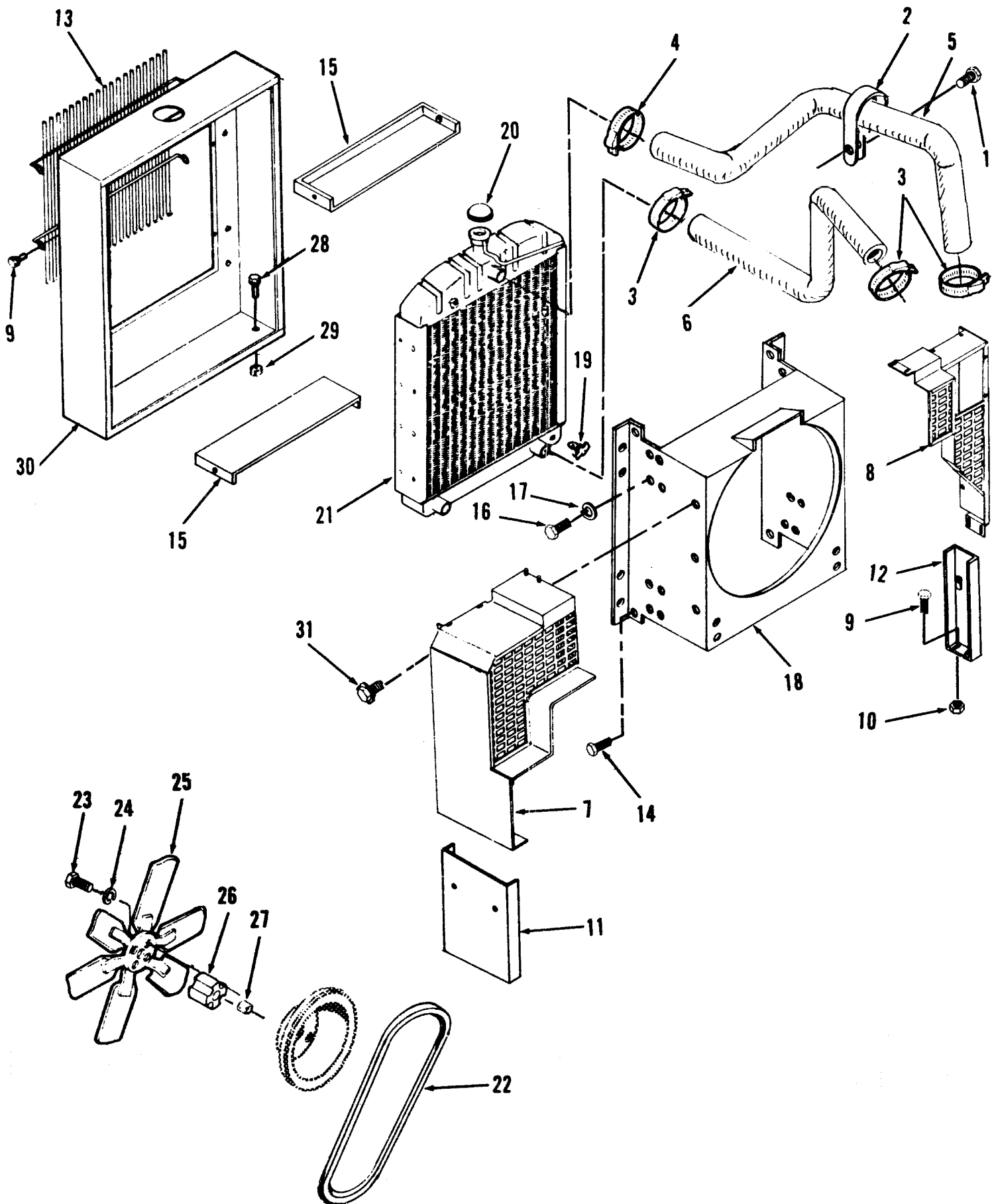
Ref No.	Part No.	Qty Used	Part Description
1	511-0150	1	Belt, Drive - V
2	870-0131	2	Nut, Self-locking - Hex With ET Lockwasher (#10-32)
3	526-0008	4	Washer, Flat (#10)
4	150-2101	2	Sleeve - Governor
5	150-2099	2	Joint, Ball
6	870-0053	4	Nut, Hex (#10-32)
7	520-0955	1	Stud
8	800-0050	3	Screw, Cap - Hex Head (3/8-16 x 1")
9	526-0013	3	Washer, Flat (3/8")
10	850-0050	1	Washer, Lock - Spring (3/8")
11	151-0609	1	Governor (Includes Pulley)
12	526-0016	1	Washer, Flat (1/4")

Heater - Engine Coolant



Ref No.	Part No.	Qty Used	Part Description
1	503-0183	4	Clamp, Hose
2	503-0146	1	Hose, Rubber
3	503-0113	1	Hose, Rubber
4	502-0613	1	Adapter, Pipe to Hose
5	821-2033	2	Screw, Self-locking - Hex Washer Head (M6 x 1 x 16MM)
6	870-2054	2	Nut, Self-locking - Hex Washer Head (M6 x 1)
7	821-2061	2	Screw, Self-locking - Hex Washer Head (M10 x 1.5 x 25MM)
8	870-2056	2	Nut, Self-locking - Hex Washer Head (M10 x 1.5)
9	130-2246	1	Plate, Mounting - Heater
10	333-0163	1	Heater, Electrical - Engine Coolant 1000 Watt, 115 VAC, Single Phase

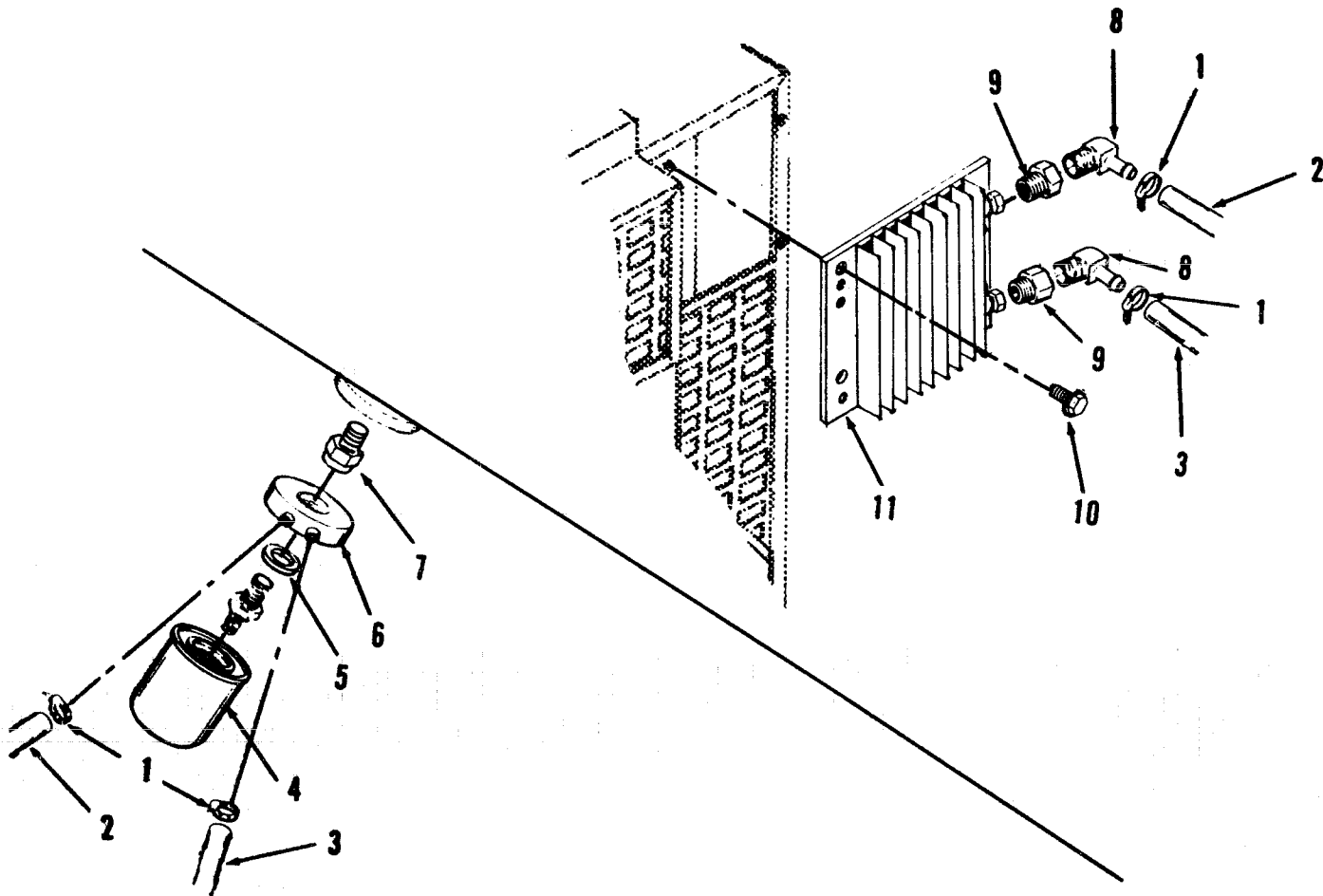
Cooling System Radiator



Cooling System Radiator

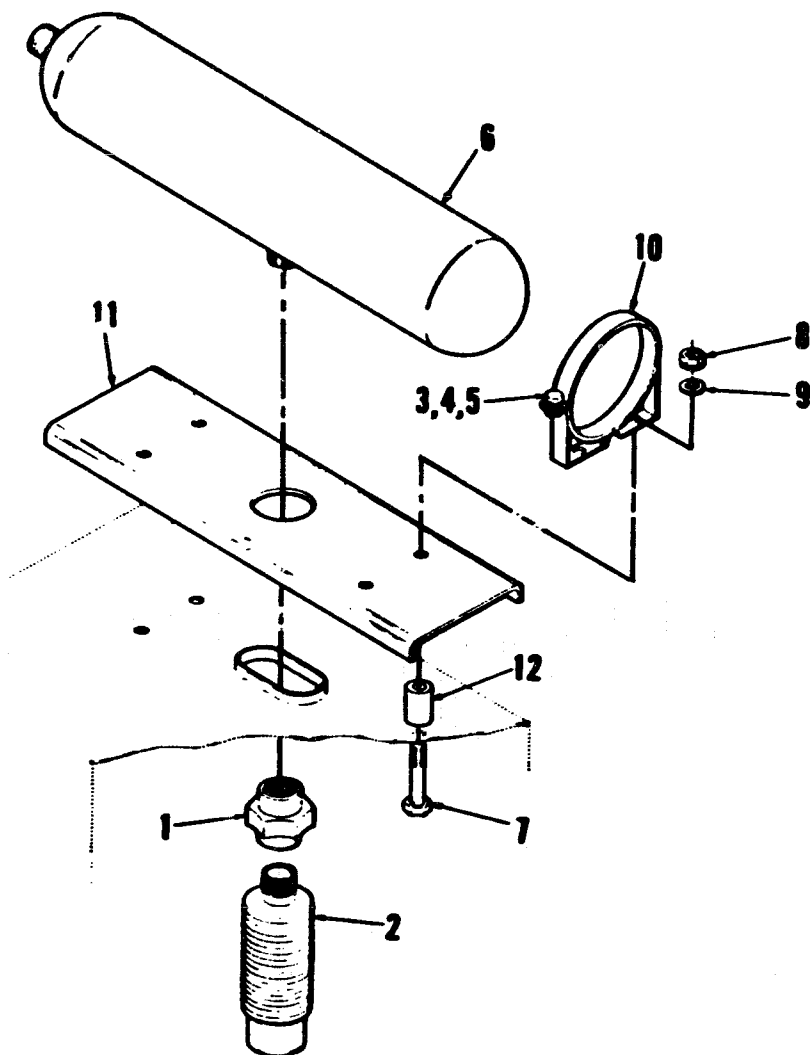
Ref No.	Part No.	Qty Used	Part Description
1	821-0005	14	Screw, Self-locking - Hex Washer Head (#10-32 x 1/2")
2	425-0183	1	Clamp, Loop
3	503-0429	3	Clamp, Hose
4	503-0365	1	Clamp, hose
5	503-1382	1	Hose, Radiator - Upper
6	503-1381	1	Hose, Radiator - Lower
7	130-2709	1	Guard, Belt - Right Side
8	130-2712	1	Guard, Belt - left Side
9	821-2033	8	Screw, Self-locking - Hex Washer Head (M6 x 1 x 16MM)
10	870-2054	4	Nut, Self-locking - Hex Washer Head (M6 x 1)
11	130-2707	1	Post, Belt Guard - Right Side
12	130-2708	1	Post, Belt Guard - Left Side
13	405-3182	1	Grille
14	821-2032	12	Screw, Self-locking - Hex Washer Head (M6 x 1 x 12MM)
15	130-2628	2	Insert - Fan Shroud
16	800-2052	16	Screw, Cap - Hex Head (M8 x 1.25 x 12MM)
17	850-2008	16	Washer, Lock - Spring (M8)
18	130-2566	1	Shroud, Fan
19	504-0003	1	Cock, Drain
20	130-2003	1	Cap, Radiator
21	130-1818	1	Radiator (Does NOT Include Cap)
22	511-0076	1	Belt, Drive - V (Fan)
23	800-0041	4	Screw, Cap - Hex Head (5/16-18 x 4")
24	850-0045	4	Washer, Lock - Spring (5/16")
25	130-2433	1	Fan, Cooling
26	130-1879	1	Spacer, Fan
27	130-2596	1	Insert, Fan Spacer
28	821-2061	5	Screw, Self-locking - Hex Washer Head (M10 x 1.5 x 25MM)
29	870-2056	5	Nut, Self-locking - Hex Washer Head (M10 x 1.5)
30	405-3201	1	Panel, Housing - Front
31	821-0010	1	Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2")

Cooling System Lube Oil



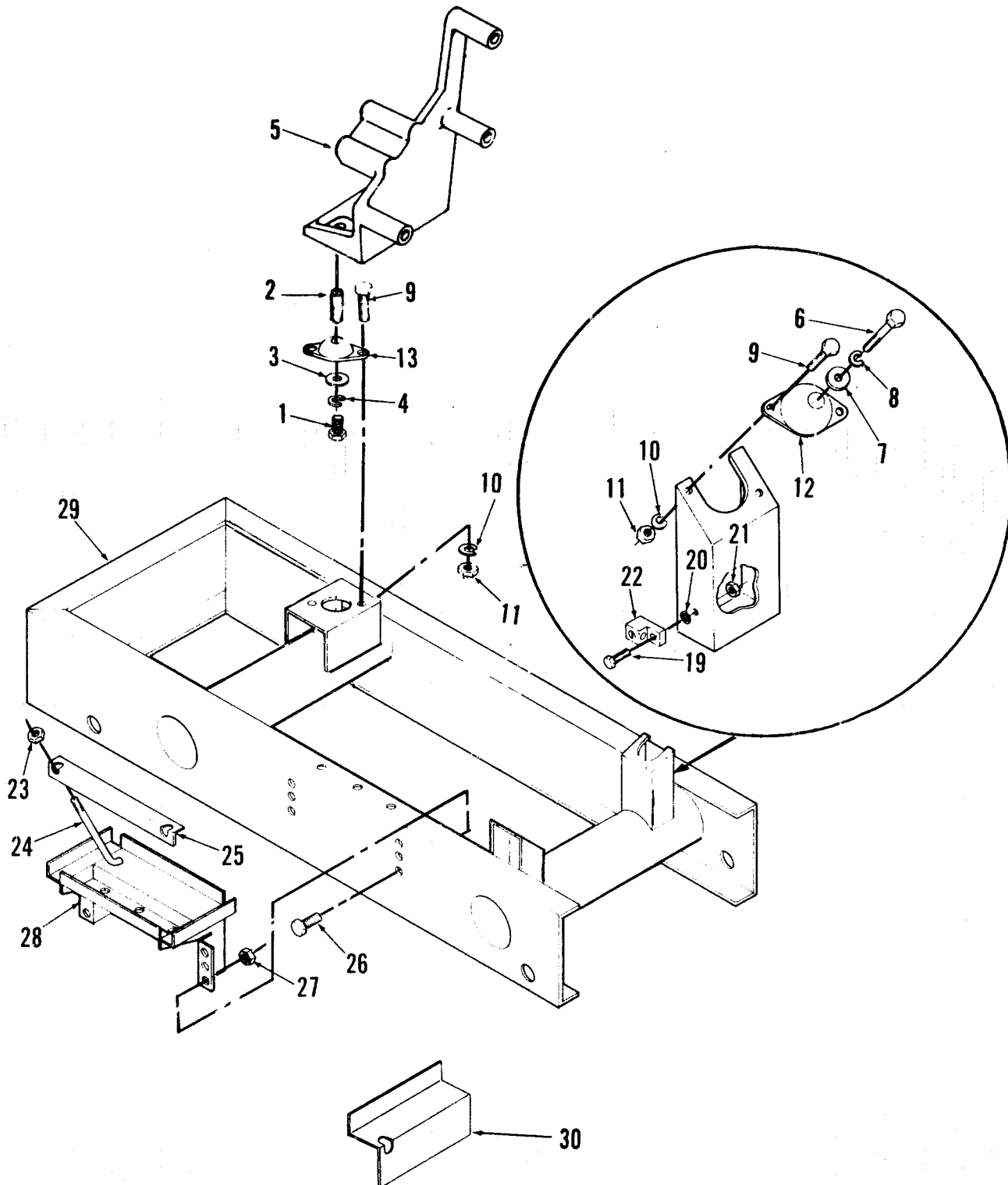
Ref No.	Part No.	Qty Used	Part Description
1	503-0446	4	Clamp, Hose
2	503-1101	-	Hose, Bulk (Order by Foot) 5 FT Required
3	503-1101	-	Hose, Bulk (Order by Foot) 4 FT Required
4	122-0488	1	Filter, Oil
5	526-0332	1	Washer, Flat
6	102-1097	1	Adapter - Oil Cooler
7	870-0428	1	Nut, Mounting - Oil Cooler Adapter
8	502-0425	2	Elbow, Pipe to Hose - 90 DEG
9	505-0019	2	Bushing, Reducer - Hex
10	821-0010	4	Screw, Self-locking - Hex Washer Head (1/4-20 x 1/2")
11	102-1113	1	Cooler, Oil

Exhaust Muffler



Ref No.	Part No.	Qty Used	Part Description
1	505-0454	1	Union, Pipe
2	155-2007	1	Tube, Exhaust - Flexible
3	800-0036	2	Screw, Cap - Hex Head (5/16-18 x 2-3/4")
4	526-0113	4	Washer, Flat (11/32"ID x 1"OD x 3/32"THK)
5	870-0257	2	Nut, Self-locking - Hex Washer Head (5/16-18)
6	155-0988	1	Muffler, Exhaust
7	800-2089	4	Screw, Cap - Hex Head (M8 x 1.25 x 80MM)
8	870-2055	4	Nut, Self-locking - Hex Washer Head (M8 x 1.25)
9	526-2100	8	Washer, Flat (M8)
10	140-0649	2	Band, Mounting
11	155-0978	1	Shield, Heat
12	155-1430	4	Spacer, Sleeve

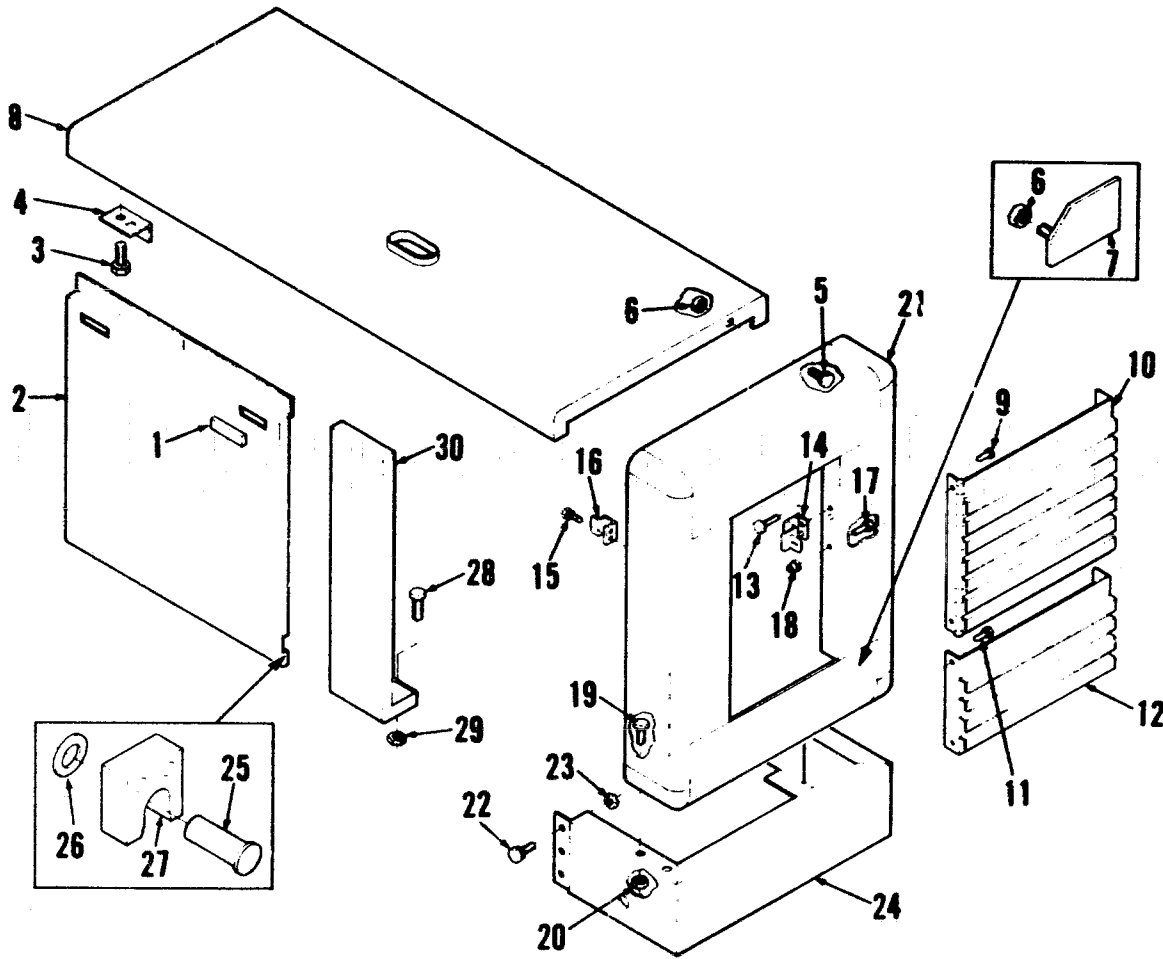
Chassis



Chassis

Ref No.	Part No.	Qty Used	Part Description
1	800-2126	1	Screw, Cap - Hex Head (M12 x 1.75 x 110MM)
2	402-0542	1	Spacer - Insert
3	526-0172	1	Washer, Flat (1/2" ID x 2-1/4"OD x 1/4"THK)
4	850-2012	1	Washer, Lock - Spring (M12)
5	403-2439	1	Bracket, Mounting - Engine & Governor
6	800-2186	2	Screw, Cap - Hex Head (M16 x 2 x 120MM)
7	526-0242	2	Washer, Flat (11/16"ID x 2-7/8"OD x 1/4"THK)
8	850-2066	2	Washer, Lock - Spring (M16)
9	800-2111	6	Screw, Cap - Hex Head (M12 x 1.75 x 25MM)
10	850-2012	6	Washer, Lock - Spring (M12)
11	860-2010	6	Nut, Hex (M12 x 1.75)
12	402-0540	2	Mount, Vibration - Generator
13	402-0541	1	Mount, Vibration - Engine
19	821-2036	1	Screw, Self-locking - Hex Washer Head (M6 x 1 x 30MM)
20	853-2006	1	Washer, Lock - EIT (M6)
21	870-2054	1	Nut, Self-locking - Hex Washer Head (M6 x 1)
22	332-1473	1	Terminal, Lug - Ground
23	870-2054	2	Nut, Self-locking - Hex Washer Head (M6 x 1)
24	416-0828	2	Rod, J Hook (M6 x 1)
25	416-0830	1	Bracket, Holddown - Battery
26	821-2047	9	Screw, Self-locking - Hex Washer Head (M8 x 1.25 x 25MM)
27	870-2055	9	Nut, Self-locking - Hex Washer Head (M8 x 1.25)
28	416-0847	1	Tray, Battery
29	403-2312	1	Base, Skid
30	416-0875	1	Heat Shield, Battery

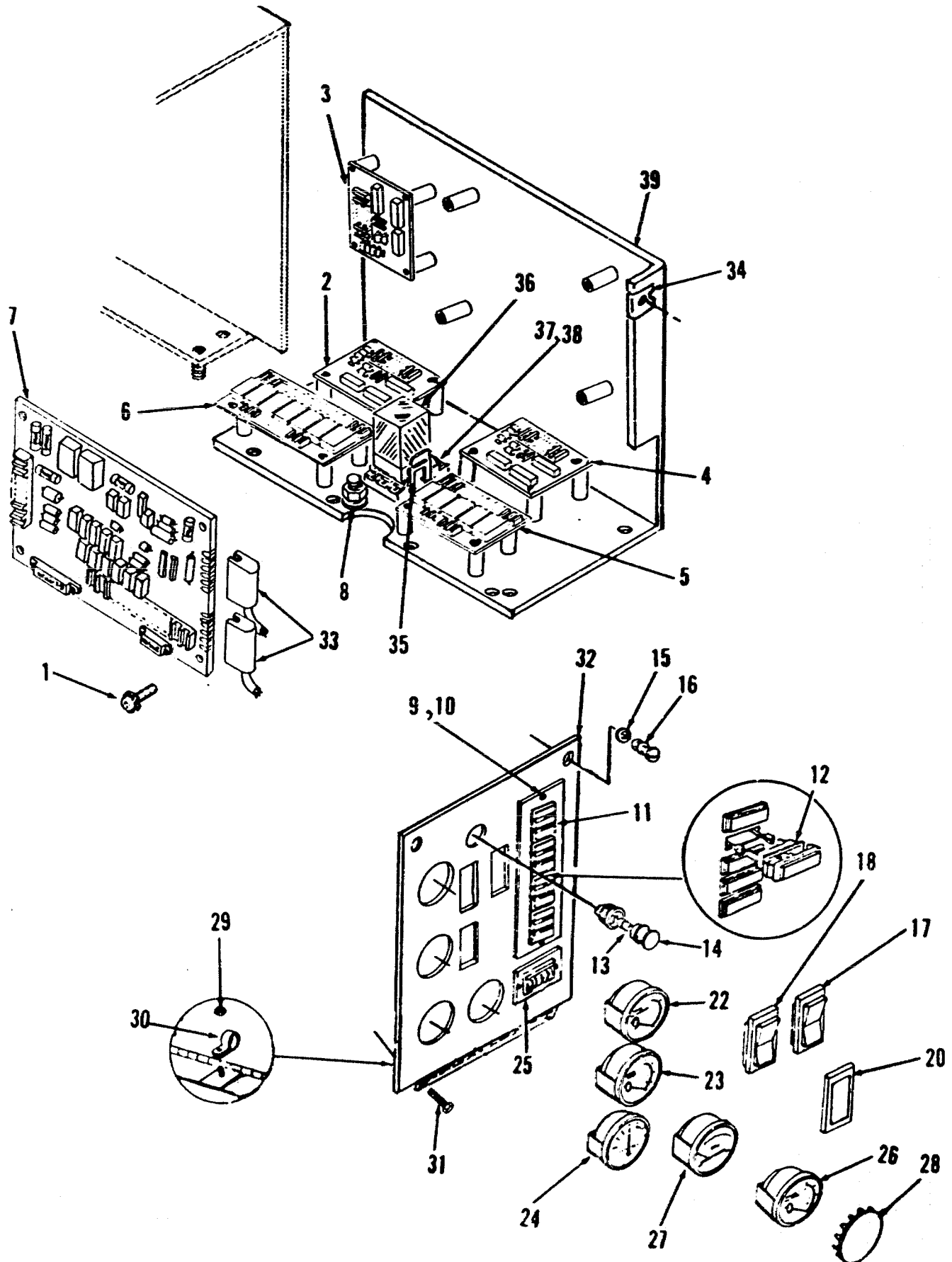
Set Housing



Set Housing

Ref No.	Part No.	Qty Used	Part Description
1	406-0561	8	Latch, Door
2	405-3211	4	Panel, Door (Does NOT include latches and pivot clips)
3	821-2033	8	Screw, Self-locking - Hex Washer Head (M6 x 1 x 16MM)
4	406-0552	4	Latch
5	821-2033	18	Screw, Self-locking - Hex Washer Head (M6 x 1 x 16MM)
6	870-0254	38	Nut, Self-locking - Hex Washer Head (M6 x 1)
7	405-3240	8	Support, Corner - Housing
8	405-3408	1	Panel, Top - Housing
9	822-3073	3	Screw, Machine - Pan Head (M4 x 0.7 x 10MM)
10	405-2677	1	Cover, Control (Does NOT include latches and pivot clips)
11	821-2033	4	Screw, Self-locking - Hex Washer Head (M6 x 1 x 16MM)
12	405-3082	1	Grille
13	821-2020	2	Screw, Self-locking - Hex Washer Head (M5 x 0.8 x 12MM)
14	406-0555	1	Latch
15	822-3103	16	Screw, Machine - Pan Head (M6 x 1 x 16MM)
16	406-0553	8	Catch
17	821-2033	10	Screw, Self-locking - Hex Washer Head (M6 x 1 x 16MM)
18	870-2026	10	Nut, Weld (Used as pivot pin)
19	821-2061	5	Screw, Self-locking - Hex Washer Head (M10 x 1.5 x 25MM)
20	870-2056	5	Nut, Self-locking - Hex Washer Head (M10 x 1.5)
21	405-3242	1	Panel, Housing - Rear
22	821-2061	6	Screw, Self-locking - Hex Washer Head (M10 x 1.5 x 25MM)
23	870-2056	6	Nut, Self-Locking - Hex Washer Head (M10 x 1.5)
24	403-2166	1	Base, Skid - Rear
25	815-0150	16	Rivet, Drive Pin
26	526-0003	16	Washer, Flat (11/64"ID x 3/8"OD x 1/32"THK)
27	405-1872	8	Clip, Pivot - Plastic
28	821-2061	4	Screw, Self-locking - Hex Washer Head (M10 x 1.5 x 25MM)
29	870-2056	4	Nut, Self-locking - Hex Washer Head (M10 x 1.5)
30	405-3606	2	Panel, Support

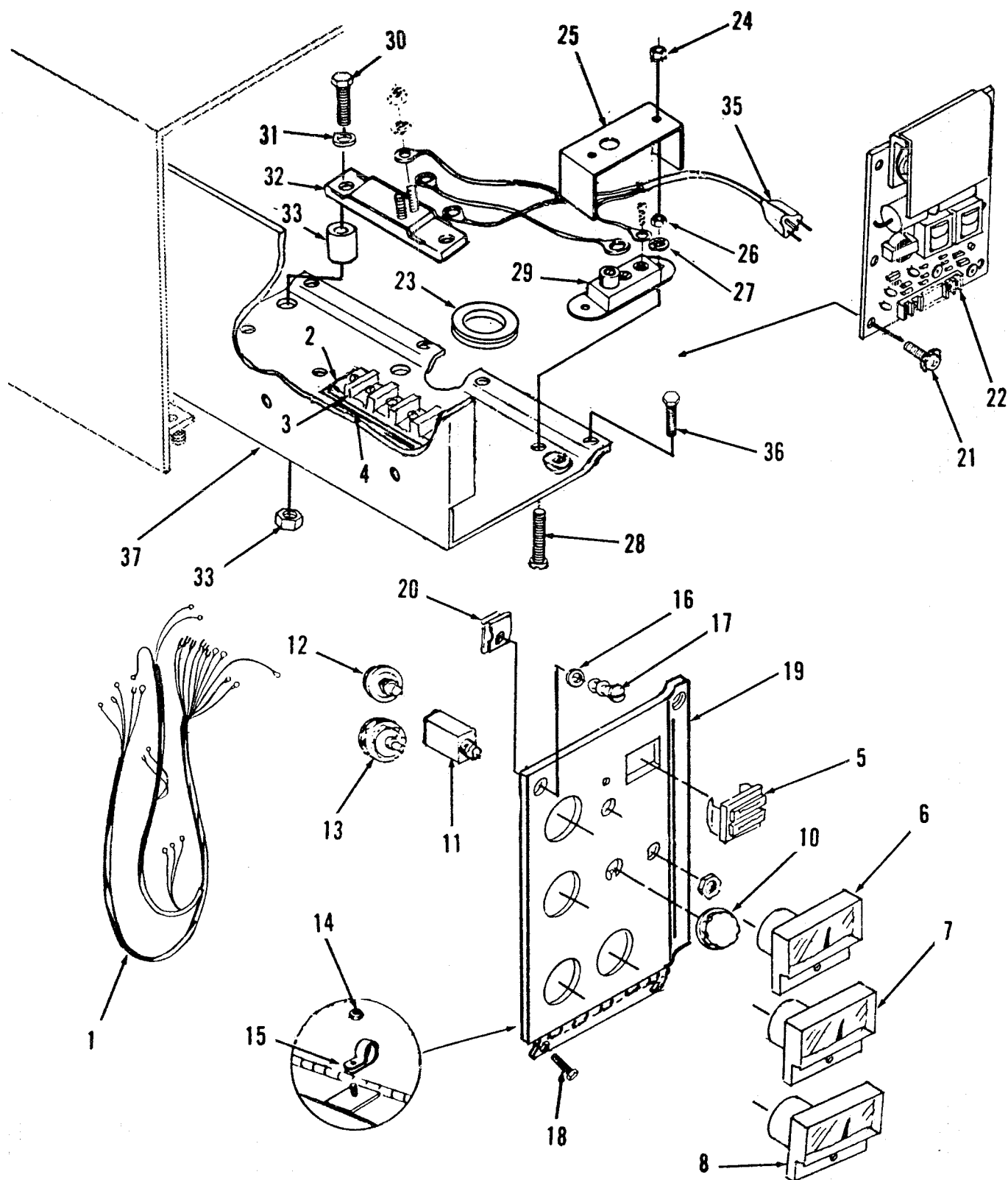
Control - Engine



Control - Engine

Ref No.	Part No.	Qty Used	Part Description
1	815-0544	20	Screw, Machine - Round Head with IT Lockwasher (#6-32 x 1/2")
2	300-2897	1	PCB Assy - Time Delay, Start/Stop - 12 VDC (A15)
3			PCB Assy - Magnetic Pickup, Start Disconnect/Overspeed Sensor - 12VDC (A16)
	300-2901	1	Standard Fixed Sensitivity
	300-2902	1	Precision Adjustable Sensitivity
4	300-2905	1	PCB Assy - Over/Under Voltage Sensor - 12 VDC (A17)
5	300-2855	1	PCB Assy - Relay Assembly, 5 Relays - 12 VDC (A13)
6	300-2862	1	PCB Assy - Relay Assembly, 7 Relays - 12 VDC (A14)
7			PCB Assy - Engine Monitor - 12 VDC (A11)
	300-2807	1	2 Light
	300-2809	1	7 Light
	300-2811	1	12 Light
	321-0270	2	Fuse, Cartridge - 20 AMP (F1, F2)
	321-0231	1	Fuse, Cartridge - 15 AMP (F3)
	321-0094	2	Fuse, Cartridge - 5 AMP (F4, F5)
8			Terminal, Ground (Includes Nut and Lockwasher)
	871-0015	1	Nut, Hex (1/4-20)
	853-0013	1	Washer, Lock - ET (1/4")
9	815-0385	2	Screw, Machine - Round Head, Black Zinc Finish (#6-32 x 1/2")
10	870-0183	2	Nut, Self-locking - Hex with ET Lockwasher (#6-32)
11			Module, Fault Indicator - 12 VDC (A12)
	322-0358-01	1	2 Light
	322-0359-01	1	7 Light
	322-0360-01	1	12 Light
12	322-0369-01	1	Lamp, Incandescent - 1/3 Watt, 14 VDC
13	322-0004	1	Lamp, Incandescent - 14 VDC (DS11)
14	322-0361	1	Holder, Lamp
15	406-0334	1	Clip, Retaining - Turnbutton Fastener
16	406-0333	1	Stud, Turnbutton Fastener
17	308-0785	1	Switch, Push - Reset/Panel Lamp (S11)
18	308-0784	1	Switch, Push - Run/Stop/Remote (S12)
20	301-6257	1	Cover Plate - Switch Mounting Hole
22	193-0320	1	Gauge, Pressure - Oil (M11)
23	193-0319	1	Gauge, Temperature - Water (M12)
24	302-1402	1	Ammeter - DC (M13)
25	302-0885	1	Meter, Totalizing - Time (M14)
26	193-0330	1	Gauge, Temperature - Oil (M15)
27	302-1715	1	Tachometer (M16)
28	517-0224	1	Plug, Button
29	870-0131	1	Nut, Self-locking - Hex with ET Lockwasher (#10-32)
30	322-0052	1	Clamp, Loop
31	821-0009	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/8")
32			Door, Control
	301-8612-01	1	4 Gauge Holes
	301-8612-02	1	3 Gauge Holes
33	338-1795	1	Harness, Wiring - Control DC
34	406-0332	1	Receptacle, Turnbutton Fastener
35	307-1987	2	Clip, Retaining - Relay
36	307-1058	1	Relay - 12 VDC (K11)
37	815-0544	2	Screw, Machine - Round Head with IT Lockwasher (#6-32 x 1/2")
38	323-0804	1	Socket, Relay
39	301-8615	1	Tray, Control

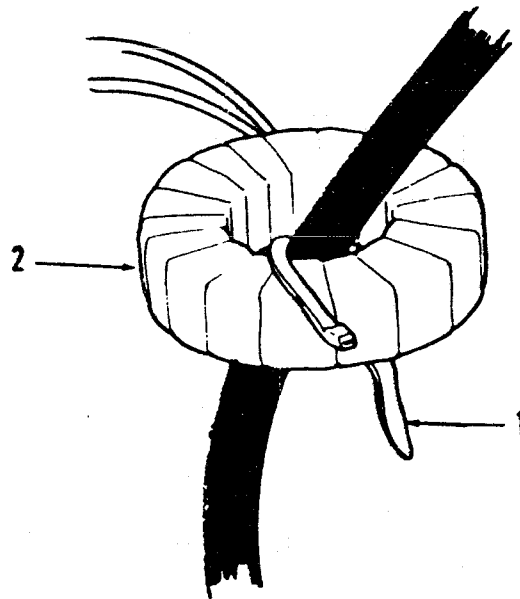
Control - Generator



Control - Generator

Ref No.	Part No.	Qty Used	Part Description
1			Harness, Wiring - Control AC (Includes Terminal Strip)
	338-1854	1	Control With Meters
	338-1855	1	Control Without Meters
2	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8")
3	332-0607	1	Strip, Terminal - 12 Place (Part of Wiring Harness)(TB11)
4	332-2723	1	Strip, Marker
5	322-0363	1	Light, Indicator - Dual (DS21, DS22)
6	302-1148	1	Voltmeter - AC (M21)
7	302-1683		Ammeter - Dual Scale 0-100/200 (M22)
8	302-1720	1	Meter, Frequency (M23)
10	303-0032	1	Knob
11	320-1121	1	Breaker, Circuit (CB21)
12	303-0261	1	Rheostat (R21)
13	308-0284	1	Switch, Rotary (S21)
14	870-0131	1	Nut, Self-locking - Hex With ET Lockwasher (#10-32)
15	332-0052	1	Clamp, Loop
16	406-0334	1	Clip, Retaining - Turnbutton Fastener
17	406-0333	1	Stud, Turnbutton Fastener
18	821-0009	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 3/8")
19			Door, Control
	301-8611-01	1	4 Meter Holes
	301-8611-02	1	No Meter Holes
	301-8611-03	1	3 Meter Holes
20	406-0332	1	Receptacle, Turnbutton Fastener
21	815-0544	6	Screw, Machine - Round Head with IT Lockwasher (#6-32 x 1/2")
22	300-2880	1	Regulator, Voltage - Torque Matched (VR21)
23	508-0051	1	Grommet
24	870-0183	2	Nut, Self-locking - Hex with IT Lockwasher (#6-32)
25	301-1886	1	Cover, Thermostat
26	860-0006	2	Nut, Hex (#6-32)
27	854-0006	2	Washer, Lock - IT (#6)
28	812-0070	2	Screw, Machine - Round Head (#6-32 x 1-1/4")
29	309-0128	1	Thermostat - Adjustable
30	800-0034	2	Screw, Cap - Hex Head (5/16-18 x 2-1/4")
31	526-0113	2	Washer, Flat (5/16")
32	333-0151	1	Heater, Electrical - 75 W, 120 VAC; 300 W, 240 VAC (HR1)
33	130-1107	2	Spacer, Sleeve
34	870-0257	2	Nut, Self-locking - Hex (5/16-18)
35	335-0161	1	Cable, Electrical
36	821-0004	4	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")
37	301-8614	1	Tray, Control

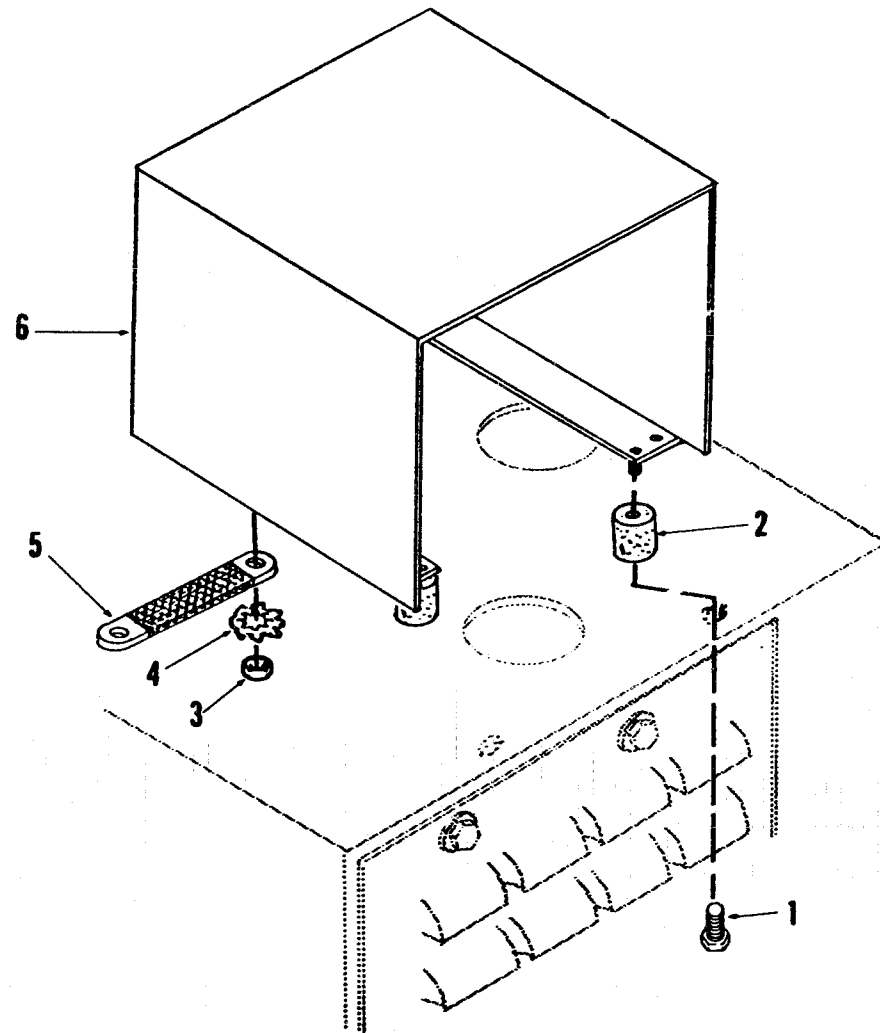
Current Transformer



Ref No.	Part No.	Qty Used	Part Description
1	332-0941	6	Tie, Cable
2	302-0106	3	Transformer, Current Ratio 200/5

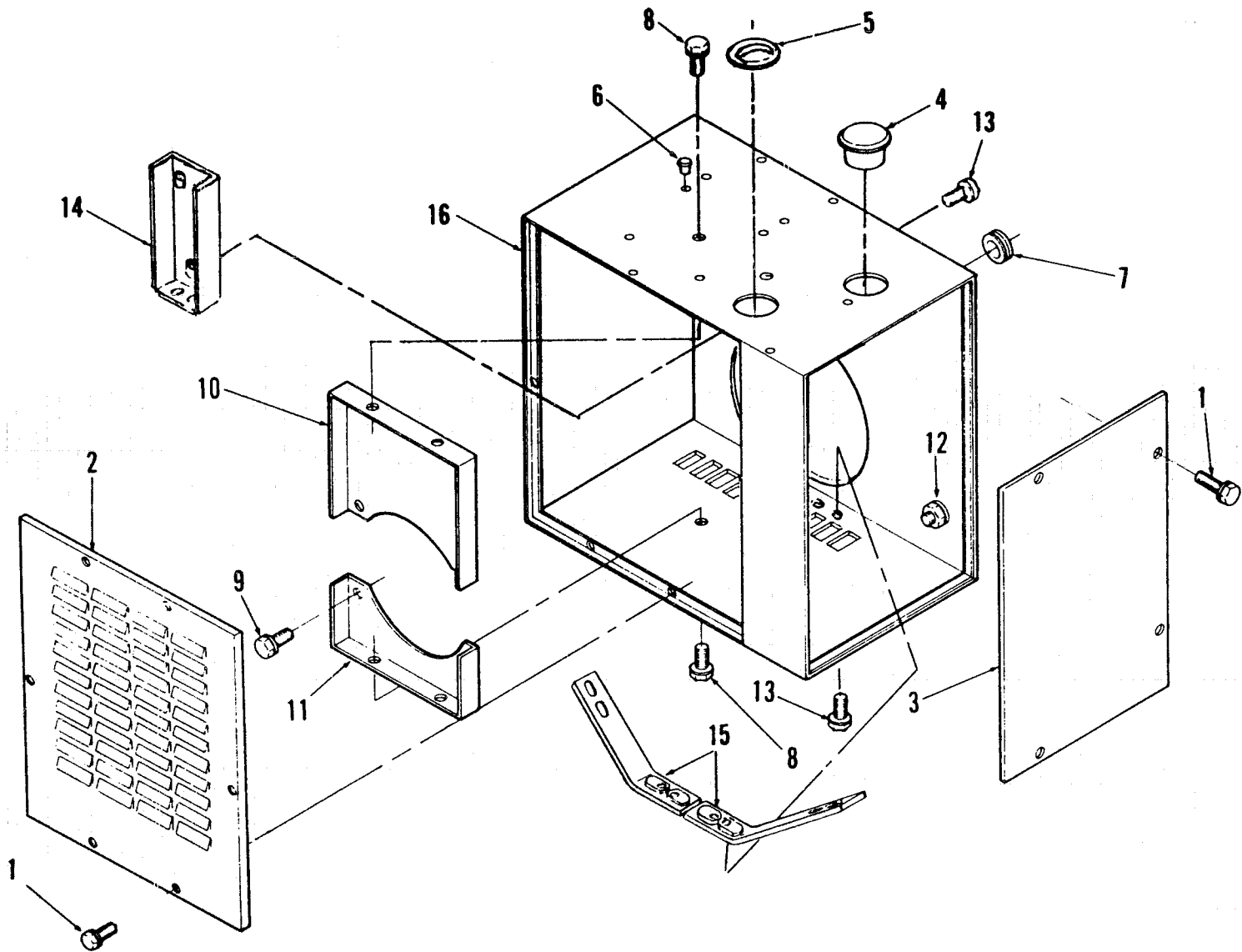
NOTE: Cable ties to secure Transformers to Generator Leads.

Box - Control



Ref No.	Part No.	Qty Used	Part Description
1	821-0014	4	Screw, Self-locking - Hex Washer Head (5/16-18 x 1/2")
2	402-0527	4	Mount, Vibration
3	862-0015	1	Nut, Hex (5/16-18)
4	853-0008	1	Washer, Lock - EIT (5/16")
5	337-0049	1	Strap, Electrical - Ground
6	301-8617	1	Box, Control

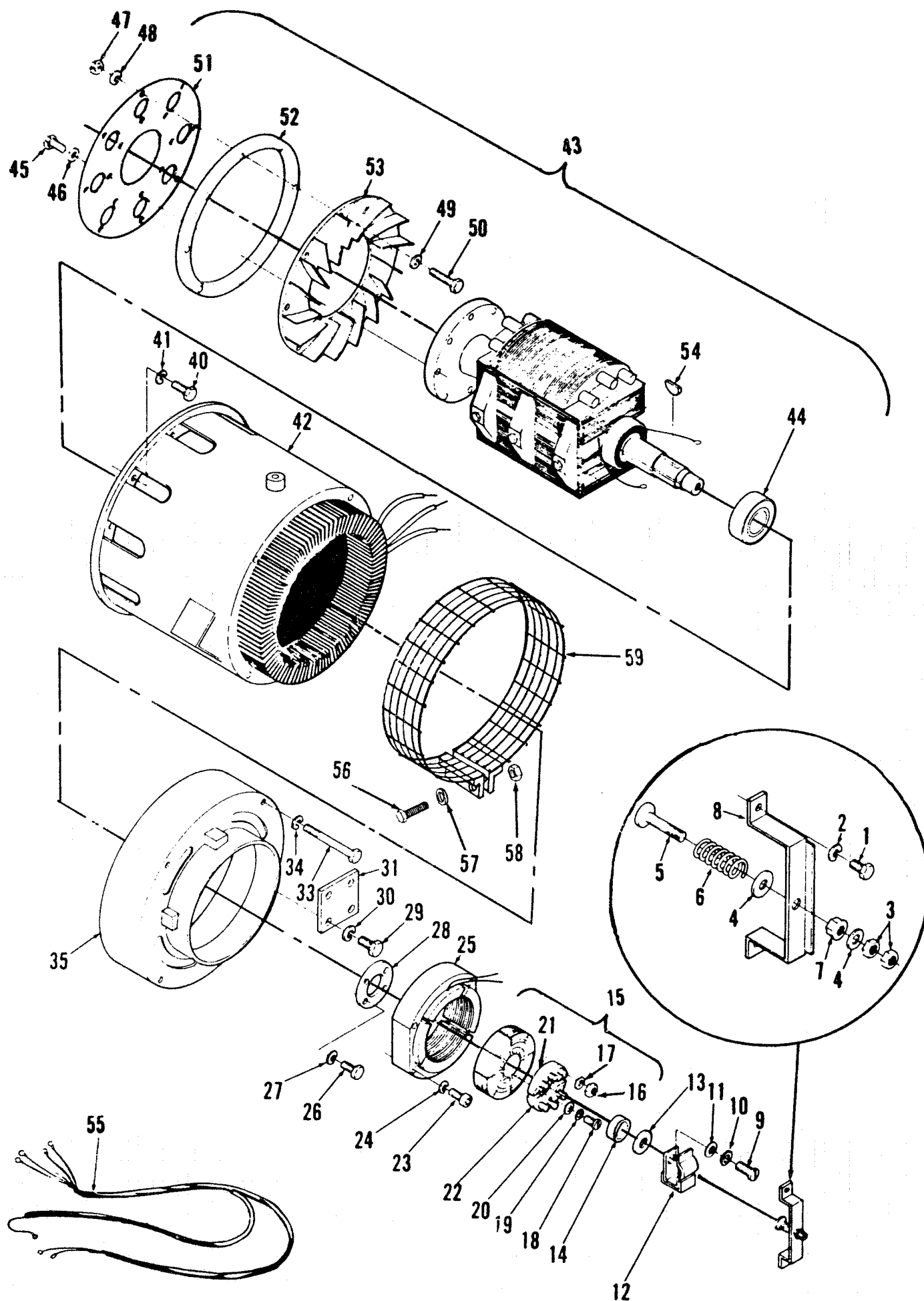
Housing - Control/Generator



Housing - Control/Generator

Ref No.	Part No.	Qty Used	Part Description
1	821-2032	10	Screw, Self-locking - Hex Washer Head (M6 x 1 x 12MM)
2	301-8112	1	Grille
3	301-8114	1	Cover - Side
4	517-0190	1	Plug, Plastic (3-1/2" NON)
5	508-0257	1	Grommet, Plastic
6	517-0169	9	Plug, Plastic (3/8" NON)
7	508-0258	1	Grommet, Rubber
8	821-2032	4	Screw, Self-locking - Hex Washer Head (M6 x 1 x 12MM)
9	821-0014	4	Screw, Self-locking - Hex Washer Head (5/16-18 x 1/2")
10	301-8951	1	Bracket, Support - Upper
11	301-8952	1	Bracket, Support - Lower
12			Terminal Assembly, Ground (Includes Screw, Nuts, Washers)
	800-2035	1	Screw, Cap - Hex Head (M6 x 1 x 25MM)
	870-2054	2	Nut, Self-locking - Hex Washer Head (M6 x 1)
	856-0006	4	Washer, Lock - EIT (1/4")
13	821-2045	13	Screw, Self-locking - Hex Washer Head (M8 x 1.25 x 16MM)
14	301-9038	1	Bracket, Support - Upper
15	301-9037	2	Bracket, Support - Lower
16	301-8978	1	Box, Output

Generator



Generator

Ref No.	Part No.	Qty Used	Part Description
1	800-2029	2	Screw, Cap - Hex Head (M6 x 1 x 12MM)
2	850-2006	2	Washer, Lock - Spring (M6)
3	860-2006	2	Nut, Hex (M5 x 0.8)
4	526-2060	2	Washer, Flat (M5)
5	150-1962	1	Contact
6	150-1964	1	Spring
7	870-0171	1	Nut, Insulating
8	150-1963	1	Bracket, Mounting
9	720-1057	1	Screw, Cap - Hex Head (M10 x 1.5 x 40MM)
10	853-2010	1	Washer, Lock - ET (M10)
11	526-2120	3	Washer, Flat (M10)
12	150-2038	1	Switch, Overspeed
13	526-2129	1	Washer, Flat (M11)
14	232-2929	1	Spacer, Sleeve
15	201-2299	1	Rotor Assembly, Exciter (Includes Parts Marked *)
16	870-0131	6	*Nut, Self-locking - Hex with ET Lockwasher (#10-32)
17	526-0008	6	*Washer, Flat (#10)
18	813-0100	4	*Screw, Machine - Round Head (#10-32 x 1/2")
19	853-0008	4	*Washer, Lock - ET (#10)
20	526-0008	4	*Washer, Flat (#10)
21	358-0069	1	*Rectifier Assembly - Positive
22	358-0070	1	*Rectifier Assembly - Negative
23	802-2073	4	Screw, Cap - Socket Head (M6 x 1 x 45MM)
24	850-2006	4	Washer, Lock - Spring (M6)
25	220-3968	1	Stator Assembly, Exciter
26	800-2029	4	Screw, Cap - Hex Head (M6 x 1 x 12MM)
27	850-2006	4	Washer, Lock - Spring (M6)
28	232-2959	1	Cover - Bearing
29	800-2004	2	Screw, Cap - Hex Head (M5 x 0.8 x 12MM)
30	850-2005	2	Washer, Lock - Spring (M5)
31	232-2418	1	Strip, Terminal
33	800-2100	4	Screw, Cap - Hex Head (M10 x 1.5 x 100MM)
34	850-2010	4	Washer, Lock - Spring (M10)
35	211-0367	1	End Bell
40	800-2088	12	Screw, Cap - Hex Head (M10 x 1.5 x 35MM)
41	850-2010	12	Washer, Lock - Spring (M10)
42	220-3817	1	Stator Assembly, Generator - Code 15
43	201-3101	1	Rotor Assembly, Generator - Code 15 (Includes Parts Marked +)
44	510-0063	1	+Bearing, Ball
45	800-2122	8	+Screw, Cap - Hex Head (M12 x 1.75 x 30MM)
46	526-2148	8	+Washer, Flat (M12)
47	860-2009	4	+Nut, Hex (M10 x 1.5)
48	850-2010	8	+Washer, Lock - Spring (M10)
49	526-2121	8	+Washer, Flat (M10)
50	800-2533	8	+Screw, Cap - Hex Head (M10 x 1.5 x 55MM)
51	232-3071	1	+Disk, Drive
52	232-3082	1	+Ring - Fan Spacer
53	205-0161	1	+Fan
54	515-0158	1	Key, Woodruff (#6)
55	338-1886	1	Harness, Wiring - Generator to Control
56	800-0110	2	Screw, Cap - Hex Head (1/4-20 x 1-3/4")
57	526-0021	2	Washer, Flat (1/4")
58	870-0212	2	Nut, Self-locking - Hex Washer Head (1/4-20)
59	234-0819	1	Screen, Air

* - Parts included in Exciter Rotor.

+ - Parts included in Generator Rotor.